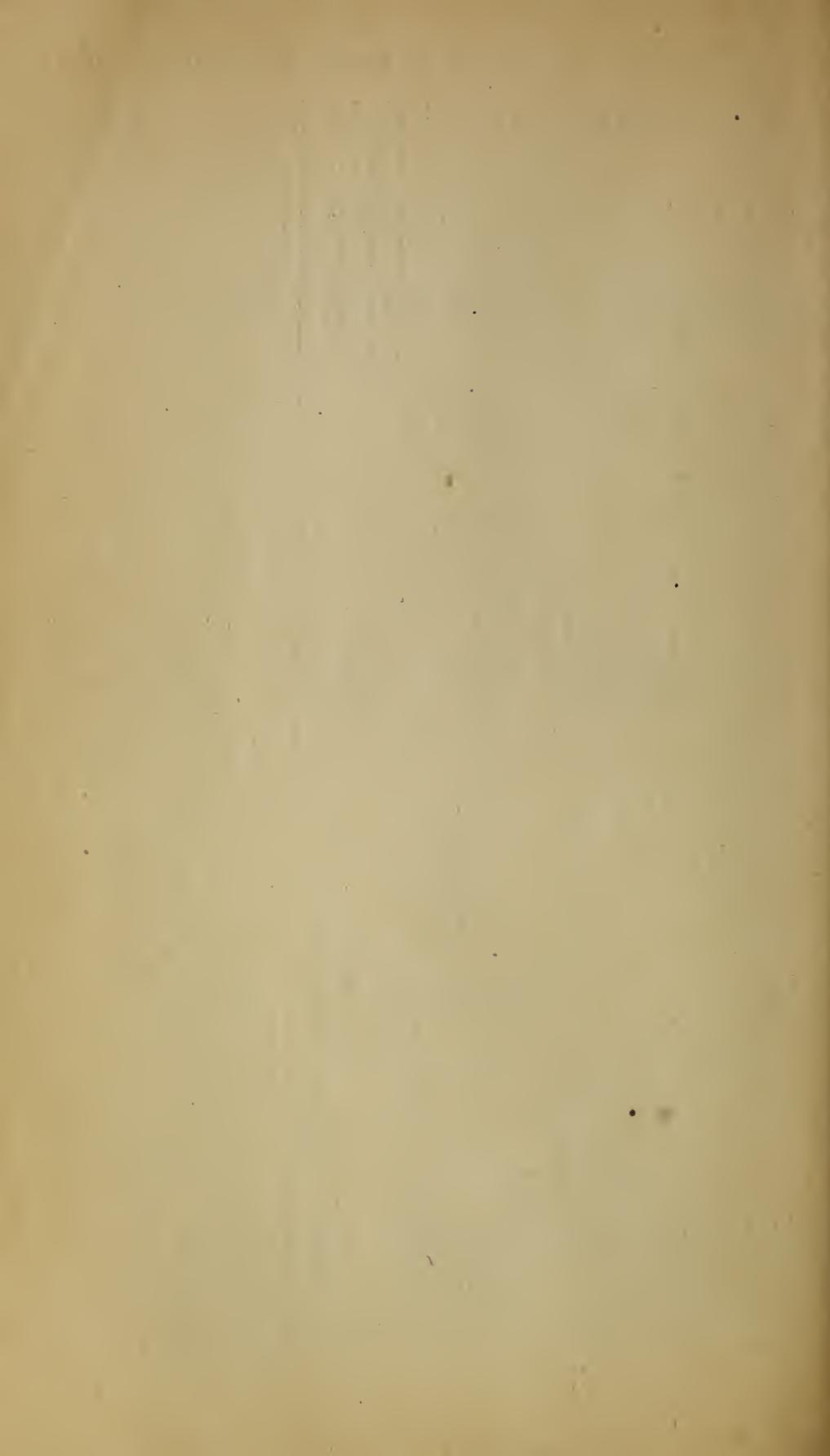


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BUREAU OF ANIMAL INDUSTRY.

LETTER

FROM

THE COMMISSIONER OF AGRICULTURE,

TRANSMITTING

Report for 1888 of the Bureau of Animal Industry.

JANUARY 9, 1889.—Referred to the Committee on Agriculture and ordered to be printed.

U. S. DEPARTMENT OF AGRICULTURE,
COMMISSIONER'S OFFICE,
Washington, D. C., December 31, 1888.

SIR: I have the honor to transmit herewith a report of the operations of the Bureau of Animal Industry for the year 1888, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

NORMAN J. COLMAN,
Commissioner of Agriculture.

The SPEAKER, HOUSE OF REPRESENTATIVES.



REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR 1888.

PLEURO-PNEUMONIA.

The chief work of this Bureau for the year has been the continued effort to secure the eradication of the contagious pleuro-pneumonia or lung plague of cattle. Since my last report was made the operations have been extended to all the infected districts; and as the new territory covered embraces those sections of Long Island where the disease has longest existed, where large numbers of cattle are kept, and where, consequently, the contagion was most thoroughly disseminated, the work done and the expenditures have been correspondingly heavy.

The progress made during the year has been very encouraging. No cases of pleuro-pneumonia have been found west of the Allegheny Mountains since the date of my last report. A supervision of the infected district in Cook County, Ill., was maintained until April 1, 1888, and as no further cases of the plague developed, all quarantine restrictions were then removed. Investigations have been made of all outbreaks of cattle disease in the Western States which were reported to the Department with any of the characteristics of lung plague, and it is gratifying to be able to state that in no case has this disease been found in that section.

Much apprehension was expressed a year ago by those interested in this subject in regard to the danger of the plague spreading from the State of Pennsylvania. The Department had not been able to reach any satisfactory terms of co-operation with the State authorities, and exaggerated rumors of the existence of lung plague there were almost continually in circulation. Repeated efforts were made to secure co-operation, and I am glad to be able to state that these were finally successful. The only district in Pennsylvania where there was good reason to suspect the existence of pleuro-pneumonia was in the city of Philadelphia and its suburbs. All that district embraced within a radius of 8 miles from the city hall was placed in quarantine by a proclamation of the governor; the cattle were inspected, a numbered tag was placed in the ear of each one, all animals were recorded upon the books of the Bureau, none were allowed to be moved upon the highways without a permit, all incoming animals were inspected, and, in general, all the regulations were enforced which have been found necessary to secure the eradication of this malady in other places. The work there will be discontinued on December 15, by order of the governor. Some herds were found in the Philadelphia district affected with pleuro-pneumonia, though not as many as was anticipated. The details of this work will be found below.

While no new outbreaks of the disease have been discovered outside of the known infected States, with the single exception of one in Vir-

ginia, a few have been found in previously uninfected regions within those States. By far the most serious of these is one recently discovered and now in progress in Orange County, N. Y. It seems probable that the plague had existed there for more than a year, and had been concealed by interested parties. It will probably not be very difficult to exterminate the contagion from that section, though this expense was not anticipated and will be quite heavy. Already the number of diseased and exposed animals found is between four and five hundred, and it will doubtless be considerably increased. An effort is being made to trace the introduction of the contagion, and to learn by what means it occurred. It seems probable, however, that the affected animals were taken there before the numbering and registering of the cattle in the old infected districts was accomplished.

New infections are becoming less numerous as the disease is less prevalent in the infected centers, and there is good reason to believe that if the quarantine restrictions can be maintained a sufficient time they will cease entirely. Unfortunately, as the contagion becomes less prevalent, the necessity for these restrictions is not so apparent, and there is a more general disposition on the part of the people to disregard them—a disposition which is encouraged by the failure of local authorities to vigorously prosecute and convict offenders.

WORK IN NEW YORK.

At the time the last report on this subject was submitted a force was being organized to inspect, tag, and register all the cattle, and maintain quarantine restrictions in the old infected district of New York, that is, in the counties of Westchester, New York, Richmond, Kings, and Queens. The task was one of great magnitude, and has been beset with many unexpected difficulties. In the first test case that came before the courts the governor's proclamation was decided to be invalid, because he had not designated the infected district, but had left it to the Chief of the Bureau of Animal Industry to designate and advertise such districts as might be discovered. The court held that the governor could not delegate this authority.

It was also discovered by the officers of this Bureau that the State law under which the governor's proclamation was issued gave insufficient authority for the necessary regulations, since it did not apply to exposed herds. These facts were laid before the legislature, and although the session was drawing to a close, and it was difficult to obtain action on new subjects, this matter was deemed of such importance that it received favorable consideration, and an amendment was passed which removed the defects in the statutes. Following this, a new proclamation was issued by the governor, and from that time the regulations have been strictly enforced. In some districts it has been necessary to cause many arrests to be made before the people would respect the law, but since they have become convinced that a determined effort is being made to eradicate the disease there has been less occasion for harsh measures.

The progress made in extirpating pleuro-pneumonia from this long-infected district has been very marked. Two of the counties—Westchester and Richmond—have been entirely freed from the contagion. So long a period has elapsed since any cases were discovered in these counties that Governor Hill, on the recommendation of the Chief of the Bureau of Animal Industry, has recently issued the following order removing quarantine restrictions:

[Coat of arms.]

STATE OF NEW YORK, *Executive Chamber.*

Whereas it appears to my satisfaction that contagious pleuro-pneumonia or lung plague of cattle, no longer exists in the counties of Westchester and Richmond:

Therefore, so much of the governor's proclamation issued May 14, 1888, as relates to the said counties of Westchester and Richmond is hereby revoked and the quarantine established in said counties is removed.

Given at the Capitol, in the city of Albany, this 4th day of December, A. D. 1888.

[Seal of the State of New York.] DAVID B. HILL.

By the Governor:

WILLIAM G. RICE,
Private Secretary.

The complete success of the work over the large territory embraced in these two counties within so short a time is very gratifying and demonstrates the correctness of the plan adopted.

In the city and county of New York the progress has also been very satisfactory. There are here but a very few herds in which the disease is known to exist, and these are being rapidly disposed of. By far the heaviest work in this county has been done, although it will be necessary, on account of the proportions of the trade and of its being a central market, to keep up a supervision until all parts of the State are free from the contagion.

The disease was found much more prevalent and more generally distributed in Kings and Queens Counties, on Long Island, than elsewhere. Here there has been a continual struggle during the whole year to hold it under control. Much progress has been made and the number of infected herds greatly reduced, but there is still a large amount of work before us.

There has been more disease found during the year than was anticipated at the time the preceding report was written. Partly for this reason and partly on account of the exhaustion of the appropriation for the year ending June 30, 1888, about six weeks before the end of the year, the results of the year's work have not quite reached our expectations. For nearly two months all active work ceased and the force was reduced to such an extent that only a mere supervision of the movement of cattle could be maintained. This unfortunate relaxation allowed the plague to develop and has increased the total amount of work to be accomplished to a marked degree. Since we now have the whole infected district in charge, the expenditures can be foreseen with sufficient exactness to prevent such an occurrence happening again, unless there should be new outbreaks of greater dimensions than have been discovered in the past.

A recently discovered outbreak is now in progress in Orange County, which is serious in its extent and will require several months for its complete suppression. Our investigations indicate that the contagion was taken from the city of New York before the quarantine regulations were established, and it has since been concealed by interested parties. The infected district is now believed to be marked out and under control, and there is no reason to doubt the early success of the measures which have been applied. This outbreak will make an unexpected increase of the expenditures, but probably will not delay the work in the old infected districts of the State.

From January 1 to November 30, 1888, there were inspected in New York 12,333 herds, containing 99,726 head of cattle; of this number 62,184 were re-examined by deputies in addition to the professional inspections, and 100,370 were tagged with numbers and registered upon the books of the Bureau.

There were 323 new herds found affected with pleuro-pneumonia during the year, and these herds contained 4,647 animals, 691 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 1,576 affected cattle at a cost of \$40,976.53, an average of \$26 per head; also, 3,196 exposed cattle at a cost of \$72,410.50, an average of \$22.65 per head. The smaller cost of the exposed cattle as compared with the affected ones is due to the fact that the amount which the owner realized for the carcasses was deducted from the appraised value, the Department paying the balance.

It has been found necessary to disinfect 1,339 stables, stock-yards, or other premises during the year, and also to make *post-mortem* examinations upon the carcasses of 15,538 bovine animals, of which 2,287 were found diseased with pleuro-pneumonia.

The total expenses in New York from January 1 to November 30, 1888, have been \$250,779.47, of which \$113,387.03 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for disinfection, inspection, tagging, registering, supervising the movement of cattle, *post-mortem* examinations, and all the various expenses incident to a work of this character.

WORK IN NEW JERSEY.

In this State the work of the Bureau is not recognized by legislative enactment as clearly as is desirable. There has been constant co-operation with the State board of health, through its secretary, Dr. E. M. Hunt, and the inspectors have been given commissions as agents of this board. In this way it has been possible to avail ourselves of the local statutes, and to accomplish what otherwise would have been impossible.

At the time my previous report was written a force was being organized and details of regulations were being perfected for quarantining Hudson County and maintaining complete control of the movement of cattle in that county, and particularly in Jersey City. This county, owing to its proximity to New York, and the fact that its milch cows were to a large degree purchased in the New York market, had long been thoroughly infected.

The enforcement of the regulations in New Jersey, as in other States, has been followed by very gratifying results. There have been a number of outbreaks in the interior, but these in all cases have been promptly suppressed. By far the greater part of the work has been performed in Hudson County, which is now, so far as known, the only infected center.

From January 1 to November 30, 1888, there were inspected in New Jersey 8,018 herds, containing 72,095 head of cattle; of this number 20,413 were re-examined by deputies in addition to the professional inspections, and 13,318 were tagged with numbers and registered upon the books of the Bureau.

There were 210 new herds found infected with pleuro-pneumonia during the year, and these herds contained 2,508 animals, 581 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 502 affected cattle at a cost of \$12,325.50, an average of \$24.55 per head; also 945 exposed cattle at a cost of \$25,512.50, an average of \$27.10. The higher average cost of exposed cattle in New Jersey as compared with New York is

due to the greater difficulty of disposing of the carcasses of such animals, and the smaller amounts which, for that reason, were realized.

It has been found necessary to disinfect 275 stables, stock-yards, and other premises, and also to make *post-mortem* examinations upon the carcasses of 6,846 bovine animals, of which 514 were found diseased with pleuro-pneumonia.

The total expenses in New Jersey from January 1 to November 30, 1888, have been \$85,111.60, of which \$37,838 was paid for cattle purchased for slaughter, because they were either diseased or had been exposed.

New Jersey is believed to be nearly free from the disease, as but few new herds have been reported during the last sixty days. A large distillery herd is now being slaughtered, and this, with two small diseased herds, constitutes all the infected premises now known in the State. It will, however, be necessary to maintain a force in New Jersey until the plague is eradicated from all parts of New York, or the contagion will be again introduced by the movement of cattle. It is also possible that the disease may be found in the dairies about Newark, but our investigations up to this time have not revealed it.

WORK IN PENNSYLVANIA.

The governor of Pennsylvania never formally accepted the rules and regulations prepared by me in accordance with the act of Congress establishing the Bureau. After much correspondence, however, with the special agent of the governor, who has charge of this branch of the service in that State, an agreement adopting a modification of these rules was decided upon. The chief modification of the rules was that no herd should be slaughtered as affected with pleuro-pneumonia until it had been examined and the diagnosis confirmed by the State veterinarian, who should be paid for this service from the appropriation of the Bureau. It was further agreed that the governor would issue a proclamation placing all cattle in quarantine which were on any premises situated within 8 miles of the City Hall of Philadelphia.

The proclamation was issued to take effect upon April 9, 1888, and at that time a force of men employed by the Bureau began work inspecting, tagging, and registering all cattle in the specified district. *Post-mortem* examinations were made on all carcasses of cattle which had died and had been taken to rendering works, and of all cows from this district which were slaughtered for food. With these regulations in force it became possible to locate the herds affected with pleuro-pneumonia in the vicinity of Philadelphia and to eradicate the disease. The relations between the State authorities and the officers of the Bureau have been harmonious, and all differences of opinion in regard to diagnosis have been settled by the slaughter and *post-mortem* examination of the affected animal.

From January 1 to November 30, 1888, there were inspected in Pennsylvania 5,291 herds, containing 72,565 head of cattle. Of this number 18,763 were re-examined by deputies in addition to the professional inspections, and 51,820 were tagged with numbers and registered upon the books of the Bureau.

There were 23 herds found affected with pleuro-pneumonia, and these herds contained 260 animals, 49 of which were pronounced diseased when the inspections were made. There were purchased for slaughter 63 affected cattle, at a cost of \$1,243.50, an average of \$19.73 per head;

also 131 exposed cattle at a cost of \$3,167.50, an average of \$24.18 per head.

It was considered advisable to disinfect 117 stables, stock-yards, or other premises; and 13,157 *post-mortem* examinations were made upon the carcasses of bovine animals, of which 72 were found diseased with pleuro-pneumonia.

The total expenses in Pennsylvania from January 1 to November 30, 1888, have been \$37,978.23, of which \$4,411 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for disinfection, inspection, tagging, registering, making *post-mortem* examinations, and maintaining that close supervision of all the cattle in the infected district which is absolutely essential for the complete success of the effort for the total eradication of pleuro-pneumonia.

It has been decided that the governor should issue a proclamation removing the quarantine restrictions at Philadelphia, to take effect December 15, 1888, and at that time the greater part of the force stationed there by this Department will be withdrawn. There is every reason to believe that Pennsylvania is now entirely free from this contagion, but it is deemed advisable to maintain a supervision of the cattle in transit through Philadelphia, and also to watch the rendering works and slaughter-houses for a few months, in order that any reappearance of it may be promptly detected.

WORK IN MARYLAND.

At the time the last report was written the work was just being reorganized, and those stringent regulations governing the movement of cattle, which have been mentioned in connection with the work elsewhere, had just been applied to the infected district in Baltimore and vicinity. A new law was passed by the Maryland legislature at its last session recognizing the work of the Bureau in that State and providing for co-operation. Although there has been considerable opposition on the part of cow dealers, and in some cases of dairymen, and some violations of the regulations, the supervision has been maintained in an efficient manner and has resulted very satisfactorily.

It has been found difficult and often impossible to secure the indictment and vigorous prosecution of parties violating the laws and regulations, apparently because the sympathy of local officers was with the offenders of their district rather than with those who were trying to eradicate this disease. Fortunately the governor and attorney-general of the State are interested in the success of the work and realize its importance, and with their assistance convictions have recently been obtained which it is believed will have a wholesome effect in preventing further violations, and thus make it unnecessary to continue the prosecutions.

There have been two outbreaks of pleuro-pneumonia in other counties, which were traced to cattle taken there from Baltimore, but in each case the extermination of the disease was promptly secured. At present all herds in the State known to be diseased have been slaughtered, and as but very few new cases have developed during the last sixty days, it is believed that the plague is practically eradicated. It will be necessary to continue the supervision for a number of months after the last case has been disposed of before we can conclude that the last traces of the contagion have been destroyed. It so frequently happens that in some obscure country place a person will conceal the disease for

months before it is discovered that a long period of watching is required to insure absolute safety.

From January 1 to November 30, 1888, there were inspected in Maryland 9,809 herds, containing 60,312 head of cattle. Of this number 5,055 were re-examined by deputies, in addition to the professional inspections, and 17,749 were tagged with numbers and registered upon the books of the Bureau.

There were 74 new herds found affected with pleuro-pneumonia during the year, and these herds contained 1,189 animals, 124 of which were pronounced diseased when the inspection was made. There were purchased for slaughter during the same time 459 affected cattle, at a cost of \$12,330.13, an average of \$26.87 per head; also 1,036 exposed cattle at a cost of \$27,087.81, an average of \$26.15 per head.

The high average cost of affected cattle is due to the fact that many of them were but slightly affected, or had so far recovered from the disease that they were as useful to the owner for the production of milk as before the attack. It is also to be remembered that the owner received for the exposed but still healthy animals the sum which was paid by the butcher for the carcasses in addition to the sum given above as paid by the Bureau.

It has been found necessary to disinfect 145 stables, stock-yards, or other premises during the year, and also to make *post-mortem* examinations upon the carcasses of 5,820 bovine animals, of which 507 were found diseased with pleuro-pneumonia.

The total expenses in Maryland from January 1 to November 30, 1888, have been \$99,627.83, of which \$39,417.94 was paid for cattle purchased for slaughter as either diseased or exposed.

WORK IN VIRGINIA.

Mention was made in the last report of the probable existence of pleuro-pneumonia in Virginia, but at the time of writing the investigation was not completed. The herd was located at Hampton, and proved to be affected with this disease. The contagion only spread to a very few animals outside of this herd, which had come in contact with it. The infected animals were at once isolated and slaughtered as rapidly as possible. No cases of disease have appeared there during the last six months, and we may therefore conclude that it has been eradicated.

The total number of affected cattle purchased in Virginia was 45, at a cost of \$739, an average of \$16.42 per head. The number of exposed cattle purchased was 53, at a cost of \$641, an average of \$12.10 per head. The total expense caused by this outbreak was \$2,142.73, of which \$1,380 was paid for diseased and exposed cattle.

WORK IN ILLINOIS.

While pleuro-pneumonia was practically eradicated from Illinois at the time the last report was written, there was still a number of animals in the infected district which it was deemed prudent to slaughter. It was also considered necessary for safety that the quarantine restrictions should be maintained until April 1, 1888.

There were slaughtered after January 1, 1888, 4 affected cattle at a cost of \$81.27, an average of \$20.32 per head. There were also slaughtered 129 exposed animals at a cost of \$2,408.43, an average of \$18.67 per head. The total expenses in Illinois from January 1 to November 30, 1888, were \$5,946.69, of which \$2,489.70 was paid for diseased and exposed cattle.

The prompt eradication of pleuro-pneumonia from Chicago and vicinity is worthy of more than a simple narration of the fact. It may well be

considered one of the most important results ever accomplished by the Department of Agriculture. History gives few, if any, cases where the dairies of a city of the size of Chicago have once been infected with pleuro-pneumonia, and where the disease has been eradicated, without years of constant work and the expenditure of vast sums of money. Paris was infected more than one hundred years ago, and, in spite of the large number of veterinarians in that district and of the stringent laws and regulations, the disease still exists and its ravages continue from year to year apparently undiminished.

A continued existence of the disease at Chicago would certainly have led to the infection of the whole country within a few years, and the ruin of a profitable cattle industry in the United States. Already the local restrictions placed by the authorities of many States upon the introduction of cattle from Cook County, and in many cases from the whole State of Illinois, had become extremely embarrassing to shippers and burdensome to the whole stock interest of the West. How these restrictions would have been increased by the spread of the plague to other States, and how we should have suffered from a leading article of food impaired in quality and diminished in quantity can be easily imagined. By a fortunate combination of circumstances it was possible to check the extension of the plague at once and to extirpate it within a few months, but the risk of failure and the danger to the country have never been appreciated except by a few who were acquainted with all the facts.

With the publication of the notice giving information of the eradication of the disease and removing the quarantine restrictions which had been imposed by this Department, confidence was restored to the stock-owners of the country, the irksome local restrictions were one by one removed, and soon the freedom of cattle commerce was again established.

No information has been obtained during the year which would lead to the conclusion that the contagion of pleuro-pneumonia exists in any part of the country west of the Alleghany Mountains. There is, consequently, good reason to believe that it is now confined to the Atlantic sea-board, and, with every month that elapses without hearing from it elsewhere, this conclusion is strengthened. With the quarantine restrictions now in force in the infected districts, there is but little danger of the plague again finding its way to the West, and with the continual repression and diminution of it at all points, this danger, small as it is, is constantly becoming less. If this work is continued for another year it seems probable that the contagion will have entirely disappeared from the United States.

THE WORK AS A WHOLE

It will be seen from the above that there has been constant and satisfactory progress during the year at all points where the disease exists. The work has been heavy and expensive, and the expenditures for the eleven months covered by this report have been greater than the appropriation for any fiscal year. It was only by so planning that the most costly work would come in the latter part of one fiscal year and at the beginning of another that the operations could be sustained in an efficient manner without an increased appropriation. Even with this plan in mind, it was necessary to suspend all slaughtering of animals and much of the other work for over six weeks, in May and June, in order to avoid a deficiency. Although the total expenditures of the first five months of the present fiscal year for the entire work of the Bureau have averaged \$46,178.68 per month, or at the rate of \$554,144.16 per annum, it appears certain that the decrease which has

been made, and which can be carried still further as the work proceeds, will bring the total for the year within the sum appropriated, and this without the necessity of interrupting the operations.

Including all the districts in which pleuro-pneumonia has existed, there were inspected, from January 1 to November 30, 1888, a total of 35,604 herds of cattle, containing 305,280 animals. Of this number 106,415 were re-examined by the non-professional assistants in addition to the veterinary inspections, and 183,257 were tagged with numbers and registered upon the books of the Bureau.

There were 631 new herds found affected with pleuro-pneumonia during the year, and these herds contained 8,643 animals, 1,446 of which were pronounced diseased when the inspections were made. There were purchased for slaughter during the same time 2,649 affected cattle at a cost of \$67,695.93, an average of \$25.55 per head; also, 5,490 exposed cattle at a cost of \$131,227.74, an average of \$23.90 per head.

It has been found necessary to disinfect 1,879 stables, stock-yards, or other premises, and also to make *post-mortem* examinations upon the carcasses of 43,176 bovine animals, of which 3,426 were found diseased with pleuro-pneumonia.

The total expenses of the pleuro-pneumonia work from January 1 to November 30, 1888, have been \$481,586.55, of which \$198,923.67 was paid for cattle purchased for slaughter as either diseased or exposed. The remainder constitutes the expense for inspection, disinfection, tagging, registering, and supervising the movement of cattle, of *post-mortem* examinations, and of all the various expenses necessary to insure the prompt discovery of this plague when it appears in any herd, and to prevent the further extension of the infection.

The following table shows a résumé of the pleuro-pneumonia work from January 1 to November 30, 1888, as given in detail above:

	New York.	New Jersey.	Pennsylvania.	Maryland.	Virginia.	Illinois.	Total.
Herds inspected.....	12,333	8,018	5,291	9,809	13	140	35,604
Cattle inspected.....	99,726	72,095	72,565	60,312	297	285	305,280
Cattle re-examined by depu- ties.....	62,184	20,413	18,763	5,055	.....	.....	106,415
Diseased cattle found by in- spection.....	691	581	49	124	1	.....	1,446
<i>Post-mortem</i> examinations.....	15,538	6,846	13,157	5,820	103	1,712	43,176
Diseased cattle found by <i>post-mortem</i> examinations.....	2,287	514	72	507	46	.....	3,426
Cattle tagged.....	100,370	13,318	51,820	17,749	.....	.....	183,257
New herds found affected.....	323	210	23	74	1	.....	631
Animals in affected herds.....	4,647	2,508	260	1,189	39	.....	8,643
Diseased cattle purchased.....	1,576	502	63	459	45	4	2,649
Exposed cattle purchased.....	3,196	945	131	1,036	53	129	5,490
Premises disinfected.....	1,339	275	117	145	2	1	1,879

A résumé of the expenditures in the pleuro-pneumonia work from January 1 to November 30, 1888, is made in the table which follows:

Item.	New York.	New Jersey.	Penn- sylva- nia.	Maryland.	Virginia.	Illinois.	Total.
Salaries.....	\$109,694.44	\$36,239.05	\$27,886.73	\$46,454.17	\$601.56	\$8,062.60	\$223,938.55
Traveling expenses.....	17,983.97	8,327.19	3,486.73	11,117.92	141.62	220.30	41,277.73
Miscellaneous expenses.....	9,714.03	2,707.36	2,193.77	2,637.80	19.55	174.09	17,446.60
Affected cattle.....	40,976.53	12,325.50	1,243.50	12,330.13	739.00	81.27	67,695.93
Exposed cattle.....	72,410.50	25,512.50	3,167.50	27,087.81	611.00	2,408.43	131,227.74
Average paid for af- fected cattle.....	26.00	24.55	19.73	26.87	16.42	20.32	25.55
Average paid for ex- posed cattle.....	22.65	27.10	24.10	26.15	12.10	18.67	23.90

We have now entered upon the most critical period in the work for the eradication of this disease. In all of the infected States the animals known to have been diseased or exposed have been slaughtered with few exceptions, but in Maryland, New Jersey, and New York the plague continues to develop at greater or less intervals, and consequently newly-infected herds are discovered. In Maryland and New Jersey, where the work has been longest in progress, these new infections are becoming less and less frequent. Even in the worst infected districts on Long Island the prevalence of the malady has been greatly diminished. With this decrease in the amount of disease the reason for the stringent regulations becomes less apparent to the cattle owners, to prosecuting officers, and to citizens generally. It is, therefore, much more difficult to enforce the laws and the regulations made under them, flagrant violations become more frequent, and in some cases efforts are made, usually by cow dealers, to propagate the disease.

These facts show the importance of maintaining the quarantine restrictions until the last vestige of the contagion has disappeared. And above all should we be able to preserve the interstate channels of commerce free from infection. The large sum of money expended and the encouraging progress of the work, with the rapid approach of the time when the country could be declared free from this plague, emphasize the necessity of adopting every precaution to secure early and complete success. But how is this to be accomplished? Evidently by enforcing every regulation against the spread of the disease until the contagion has entirely disappeared.

I have already mentioned the growing disposition on the part of State officials to relax their regulations, to allow violations to go unpunished, to remove restrictions before safety has been assured. This disposition is alarming, because just as the whole pleuro-pneumonia infection in this country arose from a single case of the disease, so now the escape of one affected animal may undo all that has been accomplished by two years of indefatigable labor and by an expenditure of nearly a million dollars.

To guard against this danger I would respectfully and most earnestly recommend amendments to the act establishing the Bureau of Animal Industry, imposing a penalty upon any person who removes, or causes to be removed, any bovine animal from a section declared by the Commissioner of Agriculture to be an infected district to any other State or Territory, or who transports, or causes to be transported, any such animal upon any railroad or vessel which forms part of a transportation line from one State or Territory into another. At present there is no penalty except for those who knowingly ship a diseased animal from one State to another. Experience shows that it is impossible to prove that a person knows an animal to be affected. It is also more dangerous to ship exposed animals than affected ones, because the latter are easily detected, as a rule, while the former do not show the symptoms for two or three months, and during this time may scatter the contagion among many animals and herds. It is equally important to prevent the shipment of diseased and exposed animals within a State as upon lines of railroad and upon steam-boats which form a portion of our great interstate commercial channels.

In this connection I would, therefore, submit the following draught of amendments which were prepared for the use of the Committees on Agriculture of the Senate and House of Representatives at the last session of Congress, and which appear to me suitable to enable this Department to successfully cope with the plague and to exterminate it

without the delays and dangerous extensions which are unavoidable under the existing statute.

A BILL to amend an act entitled "An act for the establishment of a Bureau of Animal Industry, to prevent the exportation of diseased cattle, and to provide means for the suppression and extirpation of pleuro-pneumonia and other contagious diseases among domestic animals, approved May twenty-nine, eighteen hundred and eighty-four, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That for the purpose of better promoting the exportation of cattle and products of live stock from the United States, and for the purpose of increasing, promoting, and facilitating the commerce in cattle and their products among the several States in this Union, and for the purpose of removing the obstructions to such commerce with foreign nations and among the States, now occasioned by the existence of contagious, infectious, or communicable diseases among neat cattle and other live stock, and especially contagious pleuro-pneumonia, the act establishing a Bureau of Animal Industry, approved May twenty-nine, eighteen hundred and eighty-four, be, and the same is hereby, amended as follows:

Repeal section one, and insert in lieu thereof the following:

"That the Commissioner of Agriculture shall organize in his Department a Bureau of Animal Industry, and shall appoint a chief thereof, who shall be a competent veterinary surgeon, whose salary shall be four thousand dollars per annum, and whose duty it shall be to investigate and report upon the condition of domestic animals of the United States, their protection and use, and also inquire into and report the causes of contagious, infectious, and communicable diseases among them, and the means for the prevention and cure of the same, and to collect such information on these subjects as shall be valuable to the agricultural and commercial interests of the country, and publish the same in special reports whenever he deems the same advisable, and also to enforce such measures as may be adopted by the Commissioner of Agriculture by rules and regulations to be prepared as hereinafter provided for the suppression and extirpation of contagious, infectious, or communicable diseases, and the Commissioner of Agriculture is hereby authorized to employ a force sufficient for these purposes."

Repeal section three of said act, and insert in lieu thereof the following:

"SEC. 3. That it shall be the duty of the Commissioner of Agriculture, and he is hereby authorized and required, to prepare such rules and regulations as he may deem necessary for the speedy and effectual suppression and extirpation of contagious, infectious, and communicable diseases of domestic animals, and especially pleuro-pneumonia; which said rules shall provide for the method and manner of investigations to determine the existence of said contagious diseases in any part of the United States; for ascertaining, entering, and searching places where such diseased animals are supposed to exist; for ascertaining what animals are so diseased, or have been exposed to such contagious diseases; for establishing and maintaining quarantines of animals, places, premises, or localities in which such diseases, or any of them, may exist; for appraising, condemning, and slaughtering animals affected with or that have been exposed to any contagious disease, and paying for said animals, and for disinfecting premises in which contagion is suspected to exist. The Commissioner of Agriculture shall certify such rules and regulations to the executive authority of each State and Territory, and invite said authority to co-operate in the execution and enforcement of this act. Whenever the rules and regulations prepared by the Commissioner of Agriculture shall be accepted by the executive authority of any State or Territory in which pleuro-pneumonia or other contagious, infectious, or communicable disease is declared to exist, or whenever the governor of a State or Territory, or other properly-constituted authorities, signify their readiness to co-operate for the extinction of any contagious, infectious, or communicable disease in conformity with the provisions of this act, or whenever said disease can be eradicated by the purchase of the diseased and exposed animals with the consent of the owner, the Commissioner of Agriculture is hereby authorized to expend so much of the money appropriated by this act as may be necessary to suppress and extirpate said diseases or any of them in the method and manner provided by the said rules and regulations: *Provided*, That whenever a State or Territory, in any district of which a contagious or infectious disease exists which the Commissioner of Agriculture has declared to be dangerous to the animal industries of the nation, fails to co-operate for the extirpation of such diseases, as provided by this act, or if from any cause it is impossible to enforce the rules and regulations for the suppression of pleuro-pneumonia in any State or Territory and the Commissioner of Agriculture believes there is danger of such disease spreading to other States or Territories, the Commissioner of Agriculture with the approval of the President of the United States is hereby authorized to declare in quarantine the said State or Territory, and to regulate or prohibit the transportation of cattle out of or into said State or Territory."

Repeal section six of said act, and insert in lieu thereof the following:

"SEC. 6. That no railroad company within the United States or the owners or masters of any steam or sailing or other vessel or boat, shall receive for transportation or

transport any live stock of the kind diseased from any district or State declared in quarantine by the Commissioner of Agriculture into any other State or Territory or the District of Columbia; nor shall any person, company or corporation deliver for such transportation to any railroad company, or master or owner of any boat or vessel, any live stock of the kind diseased from said quarantined district; nor shall any person, company, or corporation drive on foot or transport in private conveyance any live stock of the kind diseased from any of said quarantined districts into any State or Territory or District of Columbia: *Provided*, That animals may be transported out of said quarantined districts under such conditions as may be provided by the rules and regulations prepared by the Commissioner of Agriculture in accordance with the provisions of this act."

Repeal section seven of this act, and insert in lieu thereof the following:

"SEC. 7. That it shall be the duty of the Commissioner of Agriculture to give notice by publication in such newspapers as he may select of the existence of any contagious disease in any State or district of a State and to declare in said notice that said State or district in said State is placed in quarantine; and he shall likewise notify in writing the president of any railroad, steamboat, or other transportation company doing business in or through such quarantined district of the declaring of said quarantine; and any person or persons operating any such railroads, or master or owner of any boat or vessel, or owner or custodian of or person having control over such cattle or other live stock of the kind diseased, within such quarantined State or district, who shall violate the provisions of section six of this act shall be guilty of a misdemeanor, and, upon conviction, shall be punished by a fine of not less than one hundred dollars nor more than five thousand dollars, or by imprisonment for not more than one year, or by both such fine and imprisonment."

Repeal section nine of said act, and insert in lieu thereof the following:

"SEC. 9. That it shall be the duty of the several United States district attorneys to prosecute all violations of this act which shall be brought to their notice or knowledge by any person making the complaints under oath; and the same shall be heard before any district or circuit court of the United States or Territorial court holden within the district in which the violation of this act has been committed. That it shall likewise be the duty of the several United States district attorneys to defend all action or actions at law brought against the officers or employés of the Bureau of Animal Industry or any of them in any State or Federal court for acts done by them in the performance of their official duties as such officers or employés."

Repeal section ten of said act, and insert in lieu thereof the following:

"SEC. 10. That whenever in the judgment of the Commissioner of Agriculture it is necessary to prevent the introduction of a contagious, infectious or communicable disease into any State or Territory from any other State or Territory or foreign country he may adopt measures of quarantine for cattle entering into such States or Territories and shall give notice by publication of said quarantine and conditions of the same and any person or persons violating the terms of said quarantine shall, upon conviction, be deemed guilty of a misdemeanor, and be punished by a fine of not less than fifty dollars or more than five hundred dollars, or by imprisonment for not more than one hundred days or by both fine and imprisonment at the discretion of the court."

It is worthy of remark that there has been no trouble in enforcing the rules and regulations in country districts where the population is made up of farmers. The native American farmer has always assisted in stamping out the disease, and has been scrupulously careful to carry out to the letter any measures that he was called upon to observe. The result is that country outbreaks are soon under control and quickly eradicated. Not so, however, with city outbreaks. Here we come in contact with an entirely different element of our population. The city cow owner, as a rule, is in debt to the dealer from whom he buys his cows; he is poor, ignorant, often unable to speak our language, unscrupulous as to the health of his animals or the character of the milk he sells, and not infrequently appears to consider it his duty to violate the regulations or the statutes rather than to observe them.

In farming districts, therefore, it matters little whether the laws are perfect or imperfect, or whether there are or are not penalties for their violation, it is seldom that they are appealed to, and the work of eradication goes smoothly on until it is completed. In city districts the conditions are exactly opposite. When the inspectors come upon the premises they are met as enemies, too often they are threatened with

violence; diseased cattle are surreptitiously sold by the owners and taken into other herds by dealers whose sales are increased by the misfortunes of their customers. With such people harsh measures are necessary or the work could never be completed. The laws must cover all acts which would tend to spread the disease, and there must be penalties applicable to all violations. Without these the time and expense required for complete success must be indefinitely increased.

The following expressions of opinion as to the progress of the work of extirpating contagious pleuro-pneumonia by the Bureau of Animal Industry have recently been received from the several State authorities co-operating with the Bureau in this work:

[Resolution passed by the board of supervisors of Westchester County, on December 24, 1888.]

Whereas during the autumn of the year 1887 the virulent and fatal disease of contagious pleuro-pneumonia or lung plague was discovered to exist among neat cattle in the county of Westchester to an extent whereby it became dangerous to the public health and a serious menace to the vast cattle and dairy interests of the country; and

Whereas the said infection was found to be on the increase, and the farmers of the country were threatened with the disastrous consequences of its spread; and

Whereas the Bureau of Animal Industry of the United States, a branch of the Department of Agriculture, vested with authority conferred upon them by the laws of the United States and the various acts of the legislature of this State and the proclamation of the governor of this State, issued in pursuance of said acts, introduced and put in operation its system, designed for the suppression and extirpation of said contagious disease; and

Whereas this system has been in operation in this county since the month of November, 1887, and a rigid quarantine against infected localities maintained, infected stables properly disinfected, and diseased animals destroyed, due compensation for the loss of such animals having in all cases been made to the owners of the same; and

Whereas, as a result of the said efforts of the Bureau of Animal Industry, this county is now entirely free from pleuro-pneumonia or lung-plague, and the farming and dairy interests of the county have been relieved from the dread effects of the scourge, so much so that the executive of this State has seen fit to declare the county free from infection and to raise the quarantine thereon:

Resolved, That we hereby express our appreciation of the efforts of the Bureau of Animal Industry of the United States in behalf of our farmers and cattle owners, which efforts have resulted so beneficially as above detailed, and averted what threatened to become a serious calamity, and we hereby testify our satisfaction of the working of the system employed by them, whereby the disease has been eradicated and the owners of cattle compensated for pecuniary loss consequent upon the slaughter of their animals.

[Letter from the State board of health of New York.]

ALBANY, December 28, 1888.

DEAR SIR: I have received from Dr. W. S. Devoe a statement of the work done by your Bureau for the suppression of pleuro-pneumonia in the counties of New York, Kings, Queens, Suffolk, and other parts of the State. It is certainly a very gratifying showing and augurs well for the future. The extirpation of pleuro-pneumonia is as much to be desired as the stamping out of small-pox, the extinction of yellow fever, or the annihilation of cholera. As executive officer of the State board of health of New York, I have frequent opportunity of seeing the workings of your Bureau in protecting the meat and milk supplies on the market from unwholesome additions.

The care with which the inspections are made by your officers and *post-mortems* held on animals slaughtered so as to prevent the selling for food of the carcasses, is an aid to health authorities of great value. Local health officers have been directed to co-operate with the officials of your Bureau in every possible way in furthering the interests of the public health.

It is to be hoped that Congress will give liberal appropriations for future work that the operations of the Bureau may be enlarged. The State board of health of New York will gladly render all aid in its power.

I remain, sir, very respectfully, your obedient servant,

LEWIS BALCH, *Secretary.*

D. E. SALMON, M. D.,

Chief U. S. Bureau of Animal Industry, Washington, D. C.

[Letter from Dr. Cyrus Edson.]

HEALTH DEPARTMENT, DIVISION OF CONTAGIOUS DISEASES,
New York, December 28, 1888.

DEAR SIR: I desire to express to you my appreciation of the work performed in this city by the Bureau of Animal Industry for the suppression of pleuro-pneumonia among cattle. The system employed by the Bureau is to my mind admirable and effective. Indeed, as a commendation of your efforts I can but point to the results you have already accomplished. Whereas this fatal contagion was a year ago prevalent among the cattle within the city limits, at present I believe it has almost entirely disappeared, which result I consider to be due entirely to the operations of your Bureau.

It is needless for me to say that your work has had a direct and important bearing upon the prevention of the sale of diseased meat and impure milk to the inhabitants of this city, and that therefore you have materially aided the health authorities of this city in carrying out the laws against this traffic, so injurious to the public health.

It gives me great pleasure to express to you the satisfaction with which I regard the result of the efforts of your Bureau, for I consider that the gratitude of this whole community is due to the Department of Agriculture of the United States for the work they have so earnestly prosecuted and practically accomplished.

It is unnecessary to again inform you that you have our earnest co-operation in your good work.

I remain, yours, faithfully,

CYRUS EDSON

Dr. Wm. S. DEVOE,

*Chief Inspector U. S. Bureau of Animal Industry,
1512 Broadway, New York.*

[Letter from the Live-Stock Sanitary Board of the State of Maryland.]

DECEMBER 11, 1888.

SIR: Yours of the 30th ultimo asking for an expression of opinion from our board as to the "progress that has been made in extirpating pleuro-pneumonia in our State, and of the present condition of the work" duly received.

The disease, introduced in our State about 1863, had become strongly intrenched in our city dairies, where much swill is fed, and where the conditions for its propagation are otherwise favorable, and for some time it seemed that but little progress was being made in the work of eradication; it would re-appear in premises where total slaughter had been made, and (as we thought) the premises had been thoroughly disinfected. But since the increase in the force, made in the early spring of this year, we think the "progress" has been great and the chances of ultimate and early total eradication to be flattering.

We believe the system adopted here, that of restricting the movement of cattle in the infected districts, to be a good one, and that but for some slight local opposition and the apathy or indifference of the law officers of the State, whereby our quarantine rules and regulations have not been enforced with the promptness and certainty necessary to secure prompt obedience, our progress would have been greater.

We believe that the continuance of the work here for a short time longer will result in the total eradication of the disease from this State, and must express our appreciation of the zeal with which the Bureau officers have labored here in the arduous and sometimes disagreeable duties they have had to perform.

Respectfully,

T. ALEX. SETH, *Secretary.*

Dr. D. E. SALMON,

Chief of Bureau of Animal Industry.

[Extract from report of Thomas J. Edge, special agent of the governor of the State of Pennsylvania.]

Under this proclamation and the above agreement (governor's proclamation of quarantine and agreement with U. S. Bureau of Animal Industry) the work of co-operation was commenced April 9, and has been continued without interruption or impediment. Competent veterinary surgeons (appointed by the Commissioner of Agriculture) were commissioned by Governor Beaver, and they have examined, registered, and tagged all stock within the district specified in the quarantine proclamation. All cases of disease have been examined and recorded and all herds found infected have been purchased, condemned, and slaughtered, and the full appraised value

promptly paid by the Bureau of Animal Industry, and the work thus far (November 1) has been satisfactory to all parties, the governor's agent has received daily reports of all work done and of all animals examined, registered, and tagged, and of all *post mortems* and cases of disease, and it may now be safely asserted that there are no cases of contagious pleuro-pneumonia within the quarantined limits. By the previous work of the State officers it had been before eradicated from the balance of the State, and it is now believed that the State is free from the disease. Inasmuch as other centers which formerly furnished the infection are under the charge of National and State officers, and the same system of registry and examination in force, it is believed that our chances of re-infection have been reduced to a minimum.

GLANDERS.

In addition to the order of the Commissioners of the District of Columbia referred to in my previous report, by which the Chief of the Bureau of Animal Industry was made District veterinarian for the purpose of discovering and eradicating pleuro-pneumonia, a subsequent order has been issued which gives him authority to investigate as to the existence of glanders and to kill affected animals without compensation to the owner. The investigations so far made show the prevalence of this malady to a considerable extent among the horses in the District. From here affected animals have been frequently taken into Maryland and Virginia, scattering the disease and causing severe losses in those States. The presence of such a pest, dangerous not only to the equine race but equally fatal to mankind, calls for energetic measures of suppression. To this end prompt action has been taken whenever the disease has been discovered, and affected animals have been killed as soon as possible after a satisfactory diagnosis was reached. At the same time great care has been exercised that no animals should be condemned unless they presented the pathognomonic evidences of the affection. When practicable a *post-mortem* examination is always made to confirm the *ante-mortem* diagnosis. Below is a statement by months of the number of horses killed as affected with glanders:

Number of horses killed in the District of Columbia because affected with glanders.

July	1	November	1
August	0	December (first week)	9
September	2		
October	10	Total	23

THE INVESTIGATIONS OF SWINE DISEASES.

The investigations of swine diseases have, during the last four years, been remarkably successful in their results. The unexpected conclusion has been reached that there are two wide-spread epizootic diseases of swine which have heretofore been classed together as hog cholera. These are now clearly defined by the scientists of the Bureau of Animal Industry, one being described under the name of hog cholera, the other under that of swine plague. The germ in each case has been isolated and studied, and the characteristics, habits of life, and conditions of existence of these micro-organisms have been made apparent. Many experiments have been made and are in progress to test the various plans of prevention which have been suggested, or which appeared from known facts to be indicated.

While the internal administration of medicines has not proved of much avail, it has been shown that the progress of the disease might be arrested by separating and isolating the animals, and by the use of those disinfectants which are most deadly to these particular germs.

The conclusions from these investigations have been so radically different from the preconceived opinions of others who have paid some attention to this subject that they have been strongly criticized, and in some cases violently attacked. The confirmations, however, which have recently been made by European scientists, and in one case in this country by a competent independent worker, leads me to place the greatest confidence in these researches, which I know have been conscientiously and carefully performed.

On account of the great differences of opinion, and of the superlative importance of this subject, I have just appointed a commission, composed of three well-known experts in bacteriology, to investigate the contested questions and to make further recommendations for the treatment and prevention of such epizootics.

As the reports of the study of these diseases have necessarily been published in a fragmentary condition, I have now in preparation and nearly ready for publication a systematic and complete statement of their cause, nature, and prevention. This is prepared in a popular form, and I trust will be of much service to swine-breeders and farmers. From a scientific point of view these investigations are equally valuable, as these are among the few contagious diseases which have been thoroughly studied. The fact that two distinct and clearly defined contagious diseases may, and frequently do, exist in the same herd at the same time was an unexpected discovery; but it was much less expected to find both forms of contagion in one animal at the same time. Many of the facts brought out bear upon the general nature and treatment of contagious diseases in man, as well as upon the special plagues of animals that are investigated, and consequently the value of such researches to the country can not be measured alone by their direct effect upon a single industry. They are of particular importance to general pathology, and they assist in the rapid development of this science upon which we are as dependent for the protection of human lives as for guarding the enormous property which is invested in domestic animals.

The measures for the prevention and treatment of these diseases will be more clearly indicated when the nature and characters of the contagion are better understood. It would seem that the administration of medicines can not be depended upon to arrest the losses of swine from contagious diseases, any more than to guard against deaths in the human species from diphtheria, scarlatina, and tuberculosis. It is to preventive medicine that we must look for relief, and then only with satisfaction when there is concerted action for generally and systematically carrying out measures which have been intelligently devised to meet the peculiar conditions that exist with these plagues and that are found in the management and surroundings of this species of animals. Hastily conceived and untried legislative measures are to be avoided, or adopted with great caution, as they are liable to cause greater losses to the farming community than the disease itself.

ANTHRAX (CHARBON).

Every year great losses from this disease are brought to the attention of the Department. Heretofore these outbreaks have been more frequent and extensive in the lower Mississippi Valley than elsewhere, but this year agents of the Bureau of Animal Industry discovered that cattle were dying by hundreds in southern California, and an investigation developed the fact that they were affected with anthrax. This

malady apparently prevails over a large area of country on the Pacific coast, and will doubtless be a most serious drawback to any form of animal industry unless preventive measures are adopted.

The nature of this disease is now well understood. It is caused by a micro-organism called the *Bacillus anthracis*, which forms spores, and in this condition may retain its vitality for years in the soil, infecting the pastures and hay, and producing a fatal malady in any species of animals which consume them. Communicable to man either by inoculation or by eating the products of diseased animals, its existence among animals constitutes a real danger to human health in the affected districts.

The wide distribution of this disease and its serious nature makes it desirable that the National Government should take action to assist in its prevention. The course of this malady is so rapid that medical treatment is generally useless, and as the soil in large districts may become infected and remain in that condition for years, the stock-owner in such localities has until recently been helpless. Fortunately the investigations of the last few years show that the virulence of this contagion may be so reduced by artificial means that it can be safely used as a vaccine to prevent the fatal form of the malady. Where this system of prevention is used in Europe statistics show that the losses formerly disastrous may be reduced to an insignificant figure. In this country there is no place where this vaccine is prepared, and, consequently, our farmers have no relief. This Department would have furnished such vaccine before this, had it not been for the want of a laboratory where contagious material so dangerous to human health can be manipulated. At present the laboratory work must be done in the garret of the Department building, where the rooms have wooden floors, walls, and ceilings, and where there can be no furnace for destroying dangerous material. There could be no more unsuitable place for such work. The contagion, once in the rooms, could only be removed with great difficulty, and the large number of people employed in the building make the risk so great, that investigations with animal diseases communicable to man have not been attempted.

I would respectfully ask the attention of Congress to the desirability of providing a suitable place for such researches, and for preparing vaccine for the prevention of anthrax and such other diseases as may be found amenable to this form of prevention. The expense would be comparatively slight, while the relief afforded to our stock-owners would be of the greatest assistance to them.

Glanders, tuberculosis, and actinomycosis are other diseases of animals communicable to and fatal to man, which are widely prevalent and demand investigation. With such a laboratory these infections would be immediately studied, and besides furnishing State sanitary boards and experiment stations with all available information on these subjects, every suggested means of prevention and treatment should be tried.

There is at present another reason for such a laboratory. With the establishment of experiment stations in every State there is a demand for persons qualified to make this class of investigations. At present the facilities for such instruction in this country are very limited, and nearly every one finds it necessary to spend a considerable period in Europe before they feel competent to accept a position where such work is required. A laboratory should be established at this Department with these educational features provided for. It should be possible for any experiment station to send a number of their corps here to receive such instruction without expense. Such a provision would insure competent investigations of animal diseases at each one of the

experiment stations within a very short time, and would do more than any other measure to advance the condition of veterinary sanitary science in this country.

THE PARASITES OF DOMESTIC ANIMALS.

The losses from this source have never been fully appreciated in this country, nor have the various species of animal parasites been studied with that care which their importance as a destructive agency makes desirable. The Bureau began about three years ago a systematic study of the parasites of sheep, and has since extended the inquiry to the other varieties of domestic animals. The subject is a difficult one and the progress has been slow, but satisfactory results are being attained, and we shall soon be ready to publish these for the elucidation of the obscure class of diseases produced by these organisms. There is still much to learn even about the best-known parasitic diseases, such as trichiniasis, parasitic bronchitis in cattle and sheep, the fluke disease called rot, and the common varieties of tape-worms; but besides these there are many other parasites producing almost equally fatal results, and which are comparatively unknown even to scientists.

INVESTIGATION IN REGARD TO THE SHEEP AND WOOL INDUSTRY.

For nearly two years I have been conducting an inquiry as to the sheep and wool industry in various parts of the country. The object has been to study the breeds and the methods adopted in different sections; to discover the causes of any depression which may exist in this industry; to learn the methods of successful sheep-owners, and determine how far it is possible to introduce these into sheep husbandry in general; to inquire into the profitableness of breeds not yet widely adopted, and to throw light upon the diseases to which sheep are subject. The importance of the inquiry has become more apparent as the work progressed. There is no question but that such information is greatly needed, and that when properly prepared it will afford valuable encouragement to this industry. The material gathered in this investigation is now being prepared, and will soon be issued as a special bulletin.

NUMBER OF THOROUGHBRED AND OTHER CATTLE.

A special investigation has just been concluded as to the number of thoroughbred cattle of different breeds in the United States, and also of the total number of cattle in the range country. Reliable information on these subjects has been in demand for several years, and only a special inquiry could secure it. The figures will soon be ready for publication.

THE HORSE INDUSTRY.

The breeding of horses has become one of the most profitable branches of the animal industries of the country to those who are breeding salable varieties and who escape the disastrous enzootic diseases. The great mass of American farmers, however, have been raising horses with scarcely an idea of the market requirements, or of the modern methods necessary for successful breeding at the present day. The result has been in too many cases the production of animals so small, badly formed, or subject to inherited diseases, that they can only be utilized for slow farm work, and are not desirable for that. Such

horses can not be sold except at a loss to the raiser, while the demand for good horses exceeds the supply, and they can be readily sold at a profit to the producer.

From these facts it is evident that exact information is needed by our farmers, first, as to the different types of horses in demand in the leading markets of the country; second, as to the characters of the different breeds of horses and of their produce when crossed upon the ordinary farm horses of the country; third, of the scientific principles to be applied for the most rapid and successful improvement of the present stock of horses; and, fourth, in regard to the diseases most likely to be encountered and the means which should be adopted for their prevention and treatment.

Some preliminary work has already been done in collecting information to meet these wants; but the subject is a very broad one, and must be worked over in a systematic and careful manner. It is believed that no more valuable work can be devised for the assistance of our animal industries than the presentation of a reliable statement of facts covering the points enumerated above. The subject will be divided into a number of sections, each of which will be covered by a separate bulletin, and the preparation of these will be pressed forward as rapidly as is consistent with a proper discharge of the other duties devolving upon the Bureau.

THE CATTLE INDUSTRY.

The breeding, management, and diseases of cattle have been forcibly brought to the attention of the Bureau in the work for the eradication of pleuro-pneumonia. In this industry there is also a great demand for information, particularly in connection with the diseases of cattle. A great mass of facts have been collected, and now that the pleuro-pneumonia work has been thoroughly organized and systematized, the Chief of the Bureau is regularly devoting a portion of his time to the preparation of this material for publication in such popular form as will meet the wants of the farmers and breeders of the country.

In this report I have only attempted to make a brief statement of the work of the Bureau of Animal Industry for the year 1888. I trust it will be sufficient to give the Congress a correct idea of the work which has been done and which is being undertaken in behalf of the animal industries of the United States.

Accompanying this will be found a detailed statement of expenditures, with list of persons employed and other items, as called for in the act establishing the Bureau of Animal Industry.

Very respectfully,

NORMAN J. COLMAN,
Commissioner of Agriculture.

ITEMIZED STATEMENTS SHOWING ALL DISBURSEMENTS FROM DECEMBER 1, 1887, TO NOVEMBER 30, 1888, INCLUSIVE, AND A LIST OF ALL PERSONS EMPLOYED DURING THE SAME PERIOD.

List of all persons employed from December 1, 1887, to November 30, 1888.

[* And traveling expenses. † Promoted.]

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Washington.</i>					
D. E. Salmon	Chief of Bureau	May 31, 1884			\$3,000
Miles Fuller	Clerk of Bureau	July 1, 1884			1,500
A. M. Farrington	Assistant in Bureau	Oct. 8, 1887			2,250
W. J. Cowing	do	July 1, 1886			1,800
Theobald Smith	Assistant in laboratory	July 1, 1886 [†]			1,800
F. L. Kilborne	Supt. experimental station	Aug. 15, 1885			1,600
Cooper Curtice	Assistant in laboratory	Mar. 1, 1887 [†]			1,600
P. L. Lyles	Assistant in Bureau	July 20, 1887			1,400
Do	do	Jan. 1, 1888 [†]			1,600
Robert S. Forbes	do	Nov. 16, 1887 [†]			1,400
Edward B. Jones	do	Apr. 2, 1887			1,200
Do	do	Apr. 1, 1888 [†]			1,400
V. A. Moore	Assistant in laboratory	Dec. 22, 1886			900
Do	do	Jan. 1, 1888 [†]			1,200
Mary Sullivan	Assistant in Bureau	Jan. 1, 1887 [†]			1,000
Mary T. Dent	do	Apr. 2, 1887			660
Do	do	Mar. 1, 1888 [†]			900
Sophia A. Beuter	do	July 6, 1888			840
William Alexander	Messenger	July 1, 1884			720
R. P. Logan	do	Apr. 8, 1887			720
Mary N. Barnard	Assistant in laboratory	Feb. 27, 1888			660
Mary G. Marshall	Assistant in Bureau	July 1, 1888			660
William E. Mundell	Laborer	June 15, 1887	July 18, 1888		600
Charles S. Myers	do	July 24, 1888			600
William R. Scholl	Assistant in laboratory	Jan. 4, 1888	July 15, 1888		600

INSPECTORS AND SPECIAL EMPLOYÉS.

T. T. D. Andrews	Employé	Apr. 16, 1887	Mar. 1, 1888		*1,800
James Anderson	Inspector	Apr. 25, 1887			*1,600
R. M. Bell	Employé	Dec. 22, 1886			*1,400
John P. Bond	Inspector	Apr. 25, 1887		\$8.00	
Lucian T. Bell	do	July 18, 1887		8.00	
J. A. Breakell	do	July 20, 1887	Sept. 30, 1888		*1,600
Henry W. Bath	do	Dec. 28, 1887	Nov. 15, 1888		*1,800
Charles E. Bridge	do	Mar. 30, 1888			*1,600
Francis Bridge	do			8.00	
Thomas Bowhill	Employé	Sept. 27, 1888		8.00	
Roscoe R. Bell	Inspector	Oct. 20, 1888			1,600
T. J. Burrell	Employé	Nov. 27, 1888		10.00	
A. W. Clement	Inspector	Dec. 1, 1887 [†]			*2,000
John Casewell	Chief inspector, Illinois	Oct. 15, 1887	Mar. 31, 1888	*8.00	
W. W. Curry	do	Mar. 10, 1888			*1,400
John S. Candee	do	Apr. 13, 1888			*1,600
William H. Catlin	Agent	Apr. 1, 1888			*10.00
W. H. Cooper	Inspector	Aug. 4, 1888		5.00	
C. K. Dyer	do	Aug. 14, 1886			*1,600
William Dimond	Chief inspector, New Jersey	Dec. 1, 1887 [†]			*2,000
William S. Devoe	Inspector	do			*2,000
Do	Chief inspector, Pennsylvania	Apr. 1, 1888 [†]		8.00	
Do	Chief inspector, New York	Aug. 23, 1888 [†]		*0.00	
George C. Faville	Chief inspector, Maryland	Apr. 21, 1887		8.00	
Do	do	Apr. 1, 1888 [†]		10.00	
Julius J. Feeks	Employé	Dec. 14, 1887	Feb. 4, 1888		*2,000
John J. Foy	Inspector	Mar. 12, 1888	Sept. 30, 1888		*1,200
J. Gerth, Jr.	do	Sept. 17, 1888			*1,800
H. D. Gill	do	Feb. 6, 1888			*1,600
G. W. Gilbert	do	Mar. 12, 1888			*1,200
Thomas J. Herr	do	Sept. 29, 1886			*8.00
Albert Hassall	do	May 24, 1887			*1,600
Julius Huelsen	do	Mar. 10, 1888			*1,400
D. R. Hoffman	do	Mar. 24, 1888			*1,200
R. W. Hickman	do	Mar. 31, 1888			*1,600
J. C. Jackson	do	Mar. 7, 1887	Oct. 31, 1888		*1,600

Itemized statements showing expenditures and number of employés, etc.—Continued.

INSPECTORS AND SPECIAL EMPLOYÉS—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
James Law.....	Chief inspector, Illinois and New York.	Apr. 7, 1887	Aug. 31, 1888	\$20.00	.....
Eldon L. Loblein.....	Inspector.....	Dec. 8, 1887	.....	*5.00	.....
William B. E. Miller.....	..... do	Oct. 7, 1886	June 30, 1888	*8.00	.....
Charles B. Michener.....	..... do	June 24, 1887	.....	*8.00	.....
W. H. Martenet.....	..... do	Oct. 23, 1886	.....	.....	*\$1,600
A. S. Mercer.....	Employé.....	July 12, 1887	.....	.....	*1,600
A. D. Melvin.....	Inspector.....	Dec. 1, 1887 ^t	.....	.....	*2,000
H. H. Metcalf.....	Employé.....	July 12, 1887	May 21, 1888	.....	*1,600
William H. Mook.....	Inspector.....	Feb. 6, 1888	.....	.....	*1,600
Edgar Marlin.....	..... do	Mar. 30, 1888	Nov. 15, 1888	.....	*1,600
W. B. Montgomery.....	..... do	Apr. 13, 1888	.....	.....	*1,600
Mahlon G. Mattison.....	..... do	Aug. 4, 1888	.....	*5.00	.....
R. A. McLean.....	..... do	Mar. 1, 1887	.....	*8.00	.....
James A. McDevitt.....	Employé.....	Sept. 19, 1887	Dec. 7, 1887	*8.00	.....
E. W. Perry.....	..... do	Oct. 1, 1884	July 26, 1888	*8.00	.....
F. W. Patterson.....	Inspector.....	Sept. 14, 1886	.....	.....	*1,400
N. H. Paaren.....	..... do	Nov. 24, 1886	.....	*8.00	.....
Paul Paquin.....	Employé.....	Nov. 27, 1888	.....	*8.00	.....
William H. Kose.....	Inspector.....	Aug. 15, 1885	.....	*8.00	.....
H. W. Rowland.....	..... do	Mar. 7, 1887	.....	.....	*1,400
William Rose.....	..... do	Dec. 27, 1887	Oct. 31, 1888	.....	*1,800
George W. Rust.....	Emloyé.....	Dec. 10, 1886	Aug. 21, 1888	.....	*1,800
J. Elmer Ryder.....	Inspector.....	Aug. 15, 1887	.....	.....	*1,600
A. K. Robertson.....	..... do	Oct. 22, 1887	.....	.....	*1,600
Do .....	..... do	Sept. 17, 1888 ^t	.....	.....	*1,800
James T. Ross.....	..... do	Apr. 4, 1888	Nov. 15, 1888	.....	*1,600
James F. Ryder.....	..... do	Apr. 17, 1888	.....	.....	*1,600
E. C. H. Schroeder.....	..... do	Aug. 15, 1887	.....	.....	*1,000
Do .....	..... do	Aug. 1, 1888 ^t	.....	.....	*1,200
E. O. Shakespeare.....	Employé.....	Nov. 27, 1888	.....	*10.00	.....
H. M. Taylor.....	Agent.....	Apr. 15, 1885	.....	*10.00	.....
M. R. Trumbower.....	Inspector.....	Mar. 29, 1886	June 30, 1888	*8.00	.....
Bower Talbot.....	..... do	Apr. 30, 1887	Mar. 31, 1888	*8.00	.....
Henry S. Vanderhoff.....	..... do	Dec. 27, 1887	.....	.....	*1,600
E. A. Vreeland.....	..... do	Mar. 10, 1888	.....	.....	*1,400
William H. Wray.....	Chief inspector, Maryland and New York.	Apr. 1, 1887	Mar. 31, 1888	*10.00	.....
Do	Inspector.....	Apr. 18, 1888	.....	*8.00	.....
James A. Walrath.....	..... do	Nov. 1, 1887 ^t	.....	.....	*1,800
Do .....	..... do	Aug. 1, 1888 ^t	.....	.....	*2,000
R. G. Webster.....	..... do	Apr. 4, 1888	Oct. 31, 1888	.....	*1,600
George S. Williamson.....	Employé.....	Apr. 18, 1888	.....	.....	*1,800
J. M. Wainwright.....	..... do	July 6, 1888	.....	.....	*1,800
A. C. Young.....	Inspector.....	Aug. 18, 1887	.....	.....	*1,600
Do	Chief inspector, Pennsylvania.	Aug. 23, 1888 ^t	.....	.....	*2,000

CLERKS, DEPUTIES, ETC., BY STATES.

Illinoia. (a)					
Herbert A. Brown.....	Deputy.....	Dec. 1, 1886	Mar. 31, 1888	.....	1,000
George Carter.....	..... do	Dec. 31, 1886	..... do .....	.....	1,000
Henry Vanderpoel.....	..... do	May 23, 1887	..... do .....	.....	1,000
William J. Watt.....	Chief disinfector.....	May 6, 1887	Dec. 10, 1887	4.00	.....
Maryland. (b)					
William S. Brooke.....	Appraiser.....	Oct. 14, 1887	.....	.....	*1,000
Do .....	..... do	Feb. 1, 1888 ^t	.....	.....	*1,200
William E. Zimmerman.....	..... do	Oct. 25, 1887	.....	.....	*1,000
Do .....	..... do	Feb. 1, 1888 ^t	.....	.....	*1,200
J. B. Trul.....	Clerk.....	Oct. 25, 1887	.....	.....	1,000
Do .....	..... do	Apr. 1, 1888 ^t	.....	.....	1,200
Do .....	..... do	Aug. 1, 1888 ^t	.....	.....	1,400
Henry W. Hanna.....	..... do	June 1, 1887 ^t	July 7, 1888	.....	1,000
J. F. Shipley.....	..... do	Dec. 2, 1887	.....	.....	1,000

^aTen disinfectors at \$2.50 per diem were employed three days in December.

^bThe average number of disinfectors employed during the year was 8, averaging sixteen days a month. Their compensation was \$1.50 per diem, except two men with teams, who were paid \$3.

Itemized statements showing expenditures and number of employés, etc.—Continued.

CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Maryland—Continued.</i>					
Fred. Faville	Clerk	Oct. 25, 1887	Oct. 25, 1887	\$840	\$840
Do	do	July 1, 1888	July 1, 1888	1,000	1,000
T. Alex. Seth	do	May 2, 1888	May 2, 1888	1,000	1,000
Isaac L. Ball	do	July 2, 1888	July 2, 1888	*1,000	*1,000
Daniel Keller	Deputy	June 1, 1887	June 1, 1887	*1,000	*1,000
Do	do	May 1, 1888	May 1, 1888	*1,200	*1,200
J. B. Hampsher	do	Oct. 25, 1887	Nov. 15, 1888	*1,000	*1,000
David Riley	do	Oct. 26, 1887 .....	.....	*1,000	*1,000
Carroll Ensor	do	do .....	.....	*1,000	*1,000
Carvil R. Perdue	do	do .....	.....	*1,000	*1,000
C. C. Prather	do	do	Nov. 15, 1888	*1,000	*1,000
Henry C. Rohr	do	Nov. 1, 1887	July 31, 1888	*1,000	*1,000
Louis A. McDaniel	do	Nov. 11, 1887 .....	.....	*1,000	*1,000
L. G. Hubble	do	do	Nov. 30, 1888	*1,000	*1,000
George G. Latchford	do	do .....	.....	*1,000	*1,000
John F. Davis	do	do .....	.....	*1,000	*1,000
Thomas A. Poultton	do	do	Nov. 15, 1888	*1,000	*1,000
S. A. Mitchell	do	do .....	.....	*1,000	*1,000
Otho J. Gaver	do	do	Nov. 15, 1888	*1,000	*1,000
Thomas B. Gatch	do	Nov. 23, 1887 .....	.....	*1,000	*1,000
William O'Neal	do	do	Nov. 15, 1888	*1,000	*1,000
William Hardy	do	do	do	*1,000	*1,000
John McDade	do	Dec. 2, 1887	do	*1,000	*1,000
James Boyd	do	do .....	.....	*1,000	*1,000
William H. Wade	do	Dec. 15, 1887	Nov. 15, 1888	*1,000	*1,000
Thomas A. Hays	do	do .....	.....	*1,000	*1,000
Jehu T. Parsons	do	Apr. 9, 1888	July 8, 1888	*1,000	*1,000
V. F. Collier	do	July 16, 1888 .....	.....	*1,000	*1,000
David Holland	Chief disinfecto ^r	Nov. 3, 1887 .....	.....	1,000	1,000
<i>New York. (a)</i>					
H. C. Gregory	Appraiser	Feb. 1, 1888	May 24, 1888	**\$5.00 .....	.....
John Banks	do	do	do	*5.00 .....	.....
Sidney Shepherd	Clerk	May 16, 1887	Sept. 15, 1888	1,500 .....	.....
Edward Devoe	do	Sept. 1, 1888 .....	.....	1,400 .....	.....
James B. Docharty	do	Dec. 31, 1887 .....	.....	*1,000 .....	.....
Do	do	Apr. 14, 1888 .....	.....	1,200 .....	.....
C. W. Neilson	do	Dec. 19, 1887 .....	.....	*1,000 .....	.....
Fletcher B. Huyler	do .....	.....	.....	*1,000 .....	.....
Adolph C. Shell	do	Dec. 17, 1887	June 6, 1888	*1,000 .....	.....
R. H. Palmer	Clerk and deputy	Mar. 10, 1888	Nov. 15, 1888	*1,000 .....	.....
Adolph Bevers	do	Apr. 16, 1888 .....	.....	*1,000 .....	.....
William J. Hobday	Deputy	Aug. 15, 1887 .....	.....	*1,000 .....	.....
George J. Murphy	Deputy and clerk	Nov. 28, 1887 .....	.....	*1,000 .....	.....
H. B. Parsons	Deputy	Dec. 15, 1887	Apr. 20, 1888	*1,000 .....	.....
William Ramsey	do	Dec. 19, 1887 .....	.....	*1,000 .....	.....
Townsend Wright	do	do	Nov. 15, 1888	*1,000 .....	.....
James Wall	do	do	do	*1,000 .....	.....
James McCarthy	do	do	do	*1,000 .....	.....
James W. Smith	do	do .....	.....	*1,000 .....	.....
John Chester	do	do	May 15, 1888	*1,000 .....	.....
William E. Kavanagh	do	do .....	.....	*1,000 .....	.....
E. D. Vaughn	do	do	Nov. 15, 1888	*1,000 .....	.....
James Thompson	do	do	do	*1,000 .....	.....
Ebenezer Bryant	do	do	do	*1,000 .....	.....
Thomas M. Farrell	do	Dec. 20, 1887 .....	.....	*1,000 .....	.....
Daniel Fox	do	do .....	.....	*1,000 .....	.....
Henry Hesterberg	do	do .....	.....	*1,000 .....	.....
Horatio Young	do	do	Nov. 15, 1888	*1,000 .....	.....
Albert Stern	do	do .....	.....	*1,000 .....	.....
Charles Magrane	do	do .....	.....	*1,000 .....	.....
T. W. Shute	do	do	Nov. 30, 1888	*1,000 .....	.....
Thad. K. Green	do	do	May 15, 1888	*1,000 .....	.....
Joseph J. Hearne	Deputy and clerk	Dec. 23, 1887 .....	.....	*1,000 .....	.....
Thomas J. Talbot	Deputy	Dec. 24, 1887	Nov. 17, 1888	*1,000 .....	.....
Rich. Murphy	do	do .....	.....	*1,000 .....	.....
B. C. Underhill	do	do	Mar. 31, 1888	*1,000 .....	.....
John C. Shandley	do	do	Nov. 17, 1888	*1,000 .....	.....
M. F. Post	do	do	June 7, 1888	*1,000 .....	.....

^a The average number of disinfectors employed during the year was 26, averaging 19 days a month. Their compensation was \$1.75 per diem before March, and then \$2.25, except 3 men with teams, who were paid \$5.

Itemized statement showing expenditures and number of employés, etc.—Continued.

CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>New York—Continued.</i>					
John McCloskey	Deputy	Dec. 24, 1887			*\$1,000
George A. Woods	do	Dec. 27, 1887			*1,000
Alex. McGilvray	do	Dec. 31, 1887	Apr. 30, 1888		*1,000
William Bulmer	do	do			*1,000
Daniel S. Jacobs	do	do	May 15, 1888		*1,000
James Bagley	do	do			*1,000
Jeremial Connors	do	do			*1,000
Emiel W. Kraft	do	Jan. 3, 1888			*1,000
Henry Bodes	do	Jan. 4, 1888			*1,000
Thomas J. Ryan	do	do	May 5, 1888		*1,000
Hally J. Palmer	do	Jan. 5, 1888	May 15, 1888		*1,000
W. O. Van Tassell	do	do	May 10, 1888		*1,000
George Nelson	do	do	May 15, 1888		*1,000
W. F. Wiley	do	do	June 4, 1888		*1,000
I. C. Wright	do	do	May 15, 1888		*1,000
Nicholas Conzet	do	do	Nov. 17, 1888		*1,000
William Hogan	do	do	Nov. 15, 1888		*1,000
Peter Dickerson	do	Jan. 18, 1888	do		*1,000
Robert J. Menair	do	do	Nov. 17, 1888		*1,000
Warren Washburne	do	do	May 10, 1888		*1,000
William P. Wallace	do	do	Nov. 15, 1888		*1,000
William Sheehan	do	do	do		*1,000
Benjamin Hants	do	do	do		*1,000
William A. Clancy	do	do	do		*1,000
Harvey Green	do	Jan. 20, 1888	May 15, 1888		*1,000
Jared D. Powell	do	do	do		*1,000
Owen J. Kavanagh	do	do	do		*1,000
William J. Hines	do	do	Nov. 15, 1888		*1,000
J. Morris Gardner	do	do	June 6, 1888		*1,000
Michael McKeel	do	do	May 12, 1888		*1,000
James F. O'Brien	do	Jan. 21, 1888			*1,000
J. J. Kellum	do	do			*1,000
James H. Smith	do	Jan. 24, 1888			*1,000
Charles F. Matthews	do	Feb. 2, 1888	May 15, 1888		*1,000
Charles A. Gleason	do	do	Nov. 15, 1888		*1,000
Miles Adams	do	do			*1,000
Do	Appraiser	July 6, 1888			*1,200
J. F. Crown	Deputy	Feb. 2, 1888	May 15, 1888		*1,000
Benjamin Snedeker	do	Feb. 11, 1888	Oct. 1, 1888		*1,000
Herman Ehrenspeck	do	Feb. 13, 1888	Nov. 15, 1888		*1,000
Thomas L. Mottram	do	do	do		*1,000
William Thacker	do	Mar. 1, 1888	May 15, 1888		*1,000
Joseph Acton	do	Mar. 10, 1888	Nov. 15, 1888		*1,000
Joseph Fallon	do	do			*1,000
Thomas G. Willson	do	Apr. 16, 1888			*1,000
Do	Appraiser	July 6, 1888			*1,200
Frederick Drews	Deputy	Apr. 16, 1888	Nov. 15, 1888		*1,000
Charles Leopold	do	do			*1,000
William Deveson	do	do	June 5, 1888		*1,000
Mark Skennion	do	do			*1,000
John E. Sharkey	do	May 7, 1888	do		*1,000
James Hyatt	do	do	Nov. 15, 1888		*1,000
Martin Campbell	do	do			*1,000
Peter Brady	do	do			*1,000
James W. Curran	Deputy and clerk	do			*1,000
Noble H. Kirkland	Deputy and clerk	May 8, 1888			*1,000
Alex. Devlin, jr.	Deputy	July 6, 1888	Sept. 15, 1888		*1,000
Elias Sloat	do	July 20, 1888	Nov. 15, 1888		*1,000
Augustus Mott	do	do	Nov. 17, 1888		*1,000
Charles Hendrickson	do	do	do		*1,000
John J. Cunningham	do	do			*1,000
John G. Lane	do	do	Nov. 15, 1888		*1,000
E. P. Golden	do	July 23, 1888	do		*1,000
Patrick J. McIntyre	do	July 25, 1888			*1,000
John Allen	do	do	Nov. 15, 1888		*1,000
Moses L. Phillips	Clerk	Sept. 1, 1888			*1,000
W. W. Craig	do	Sept. 17, 1888			*1,000
P. Jerome Thomas	Deputy	Oct. 1, 1888			*1,000
Rudolph Rannow	do	Oct. 25, 1888	Nov. 17, 1888		*1,000
Alfred May	do	Jan. 18, 1888	June 13, 1888	\$1.00	
James McEiroy	do	do	do	1.00	
Frank Ketcham	do	Mar. 1, 1888	Nov. 15, 1888	1.00	
Gustav L. Cohn	do	Mar. 10, 1888	do	1.00	
William J. Watt	Chief of disinfectors	Dec. 14, 1887		4.00	

Itemized statement showing expenditures and number of employés, etc.—Continued.

CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>New York—Continued.</i>					
Wm. J. Watt	Chief of disinfectors	Jan. 18, 1888		\$5.00	
Wm. Hermann	Foreman of disinfectors	Dec. 14, 1887		1.75	
Do	do	Jan. 16, 1888			\$1,000
Thomas Coyle	do	Jan. 2, 1888		1.75	
Do	do	Jan. 16, 1888			1,000
O. W. Green	do	Aug. 4, 1888			1,000
<i>New Jersey. (a)</i>					
Ferdinand Heintz	Appraiser	Apr. 6, 1888	May 17, 1888		*1,400
M. J. Coyle	do	do	Nov. 30, 1888		*1,400
John R. Chittin	do	do			*1,400
B. D. Phillips	Clerk	Oct. 12, 1887			840
Do	do	Feb. 1, 1888			1,000
Seneca Barker	do	Feb. 20, 1888			840
C. D. Noonan	do	Apr. 26, 1888			840
Gustav Seide	Deputy	Feb. 6, 1888	Nov. 17, 1888		*1,000
Patrick Buckley	do	do	May 24, 1888		*1,000
Peter Girth	do	do			*1,000
Jas. J. Clarke	do	do			*1,000
Andrew Garling	do	do			*1,000
Thos. Lenihan	do	do	Nov. 17, 1888		*1,000
John Roberts	do	do			*1,000
Simon Kelly	do	do			*1,000
John Mulqueeny	do	Feb. 27, 1888	Nov. 17, 1888		*1,000
E. F. Gorman	do	Apr. 6, 1888			*1,000
Maurice Walsh	do	do	Nov. 17, 1888		*1,000
Henry Poynton	do	do	June 4, 1888		*1,000
G. W. Garretstson	do	do			*1,000
Aug. Kattenstroth	do	Apr. 7, 1888	Oct. 26, 1888		*1,000
Patrick Carlin	do	do	Nov. 17, 1888		*1,000
Robert Quinlan	do	do			*1,000
R. R. Letts	do	Apr. 11, 1888			*1,000
Cornelius Teehan	do	do			*1,000
Jas. S. Miller	do	Apr. 12, 1888	Nov. 17, 1888		*1,000
Garret Haley	do	Apr. 19, 1888	do		*1,000
John C. Carr	do	do	May 24, 1888		*1,000
Gustav Hauser	do	do	Nov. 17, 1888		*1,000
<i>Pennsylvania. (b)</i>					
Daniel G. Hatch	Clerk	Mar. 24, 1888			1,200
Do	do	Apr. 14, 1888			1,400
W. A. Willard	do	Jan. 15, 1888			*1,400
C. Moffatt	do	Apr. 20, 1888			540
Do	do	Aug. 15, 1888	Oct. 31, 1888		690
Charles Hartman	Deputy	Apr. 10, 1888			*1,000
Michael J. Barry	do	do	Nov. 15, 1888		*1,000
Isaac Brown	do	do			*1,000
George Carter	do	do			*1,000
W. H. Janney	do	do			*1,000
Daniel Scull	do	do	Nov. 15, 1888		*1,000
Wm. T. Fallon	do	Apr. 11, 1888			*1,000
Jas. McDermott	do	do	Nov. 15, 1888		*1,000
J. J. Eberhardt	do	do			*1,000
Jos. M. Mank	do	do	Nov. 15, 1888		*1,000
John J. Owens	do	do			*1,000
John J. Matthews	do	do	Nov. 15, 1888		*1,000
Timothy A. Maher	do	do	do		*1,000
Geo. W. Been	do	do	do		*1,000
Henry Morse	do	do			*1,000
John B. Herron	do	do			*1,000
E. Santman	do	Apr. 12, 1888	Nov. 15, 1888		*1,000
John J. Treston	do	Apr. 20, 1888	do		*1,000
Chas. A. Kelly	do	do	do		*1,000
Albert J. Fricka	do	do	do		*1,000
Jos. R. Tatem	do	Apr. 27, 1888	do		*1,000
Archie O. Drane	do	Apr. 21, 1888	do		*1,000

a Disinfectors employed from March to November; average number was 27, averaging 18 days a month. Their compensation was \$2.25 per diem, except a foreman, who was paid \$3, and two men with teams, who were paid \$5.

b Disinfectors employed from April to October; average number was 8, averaging 14 days a month. Their compensation was \$2 per diem, except one man with team, who was paid \$5.

Itemized statement showing expenditures and number of employés, etc.—Continued.

CLERKS, DEPUTIES, ETC., BY STATES—Continued.

Name.	Capacity.	Date of appointment.	Services ended.	Compensation.	
				Per diem.	Per annum.
<i>Pennsylvania—Cont'd.</i>					
Thomas F. O'Brien.....	Deputy	May 8, 1888			*\$1,000
James McCarron.....	.....do.....	May 22, 1888			*1,000
James J. King.....	.....do.....	.....do.....			*1,000
Harvey Ostrander.....	Chief of disinfectors	Apr. 26, 1888			1,000
Do.....	Deputy	Oct. 1, 1888			*1,000

Statement of the appropriation for 1887-'88.

	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.	Total.	Number of animals.	
							Affected	Exposed
New York.....	\$71,340.96	\$13,404.46	\$6,505.39	\$29,828.88	\$60,932.87	\$182,012.56	1,281	2,912
New Jersey.....	20,595.39	5,963.67	1,859.78	10,788.00	18,653.00	57,859.84	425	647
Pennsylvania.....	12,084.32	1,692.50	1,255.04	1,012.50	1,678.50	17,722.86	48	74
Maryland.....	40,471.65	11,808.74	2,611.53	18,132.11	59,888.37	132,912.40	710	2,232
Illinois.....	30,310.86	1,518.98	3,086.33	1,702.92	16,561.64	53,180.73	74	999
Vermont, Massachusetts, Virginia, and District of Columbia.....	2,878.28	895.33	19.55	739.00	754.50	5,286.66	45	57
Texas.....	1,649.85	313.70				1,963.55		
Scientific investigations.....	8,831.57	466.12	3,926.96			13,224.65		
Collecting information.....	8,608.30	2,636.76	256.00			11,501.06		
Investigating reported diseases.....	364.45	291.82	69.31			725.58		
Washington and miscellaneous.....	17,601.40	528.74	5,456.05			23,586.19		
Total.....	214,737.03	39,520.82	25,045.94	62,203.41	158,468.88	499,976.08	2,583	6,921

Expended from the appropriation for 1887-88, by States.

NEW YORK.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1887.	B. W. Bradford	Westchester County	Disbursed to Nov. 30, total.....	\$4,217.26	\$1,741.11	\$54.23	\$4,962.27	\$14,418.41
Dec. 3	do	5 animals	.....	.....	.....	.....	117.00	337.50
7	W. H. Wray	do	14 animals	250.00	.80	91.92	.....	.....
7	A. K. Robertson	do	Salary and expenses, Nov., and off. rent, Oct. 15 to Nov. 30.	130.40	1.85	.....	.....	.....
7	A. C. Young	do	Salary and expenses, Nov.	130.40	2.88	.....	.....	.....
9	Lazell, Dalley & Co.	New York	Disinfectants	.....	.....	8.95	.....	.....
12	James Law	do	Salary and expenses, Nov. 30.	20.00	8.92	.....	.....	.....
12	Jas. A. Breakell	do	Salary and expenses, Nov.	130.40	116.75	.....	15.00	.....
12	Ellis Brockway	do	1 animal.	.....	.....	.....	150.00	.....
12	Geo. K. Carpenter <i>et al.</i>	do	9 animals	.....	.....	.....	742.00	.....
12	do	do	37 animals	.....	.....	.....	50.00	54.50
12	Mrs. James Lee <i>et al.</i>	do	3 animals	.....	.....	.....	.....	.....
12	do	do	do	.....	.....	.....	200.00	.....
12	Peter Schauss	Queens County	8 animals	32.00	4.34	.....	.....	.....
14	Ch. B. Michener	do	Salary and expenses, Nov., 4 days.	130.40	120.40	.....	.....	.....
14	J. C. Jackson	do	Salary and expenses, Nov.	208.00	45.00	.....	.....	.....
16	Lucian T. Bell	do	do	130.40	4.10	.....	50.00	.....
17	J. Elmer Ryer	do	2 animals	.....	.....	.....	48.00	.....
22	John J. Robertson	Queens County	23 animals	.....	.....	.....	88.82	.....
22	Wm. Schubert <i>et al.</i>	do	4 animals	.....	.....	.....	15.00	.....
22	John Gallagher	Kings County	1 animal	.....	.....	.....	5.00	.....
27	Terence McHirte	Westchester County	do	.....	.....	.....	.....	.....
28	R. A. McLean	do	Salary and expenses, July	200.00	150.40	40	.....	.....
31	do	do	Salary and expenses, Aug.	216.00	177.22	.60	.....	.....
31	do	do	Salary and expenses, Sept.	208.00	150.26	.85	.....	.....
			Total for month	\$4,996.46	1,786.00	782.92	102.72	1,159.82
1888.	Wm. J. Watt <i>et al.</i>	Disinfectors	.....	.....	.....	.....	.....	.....
Jan. 7	Chas. Mastrans	Deputy	Salaries, Dec. 27 to 31	362.75	.....	.....	.....	.....
7	Ch. B. Michener	do	Salary and expenses, Dec. 4 days	13.59	1.02	.....	.....	.....
7	Sidney Shepherd	do	Salary and expenses, Dec. 23 days	32.00	3.15	.....	.....	.....
7	James Law	do	Salary and expenses, Dec.	91.96	59.99	54.43	.....	.....
7	Thos. J. Heir	do	Salary and expenses, Dec.	460.00	216.00	32.15	.....	.....
7	N. H. Paaren	do	Salary and expenses, Dec. 15 to 31	112.00	134.80	71.50	6.51	.....
7	A. K. Robertson	do	Salary and expenses, Dec.	134.80	134.80	118.11	2.00	.....
9	Jas. A. Breakell	do	do	.....	.....	.....	.....	.....

John Chester.....	Deputy.....	Salary for Dec. 22 to 31.....
9 Ebenezer Bryant.....	do.....	27.17
9 Jas. W. Smith.....	do.....	27.17
9 Townsend Wright.....	do.....	27.17
9 Thad. K. Green.....	do.....	27.17
9 Thos. W. Shute.....	do.....	21.74
9 Jas. Thompson.....	do.....	21.74
9 F. B. Hinlyer.....	do.....	13.59
9 Thos. M. Farrell.....	do.....	27.17
9 Albert Stern.....	do.....	13.59
9 Henry Hestenberg.....	do.....	13.59
9 Daniel Fox.....	do.....	13.59
9 Jos. J. Hearn.....	do.....	13.59
9 Thomas J. Talbot.....	do.....	10.87
9 J. C. Shandley.....	do.....	10.87
9 A. C. Shull.....	do.....	40.76
9 H. B. Parsons.....	do.....	16.39
9 William Ramsey.....	Deputy.....	Salary for Dec. 17 to 31.....
9 J. J. Feeks.....	do.....	Salary for Dec. 26 to 31.....
9 John McCloskey.....	do.....	Salary for Dec. 21 to 31.....
9 William J. Hobday.....	do.....	Salary for Dec. 24 to 31.....
10 do.....	do.....	Salary for Dec. 29 to 31.....
10 George J. Murphy.....	New York.....	Salary and expenses, Nov. 29 to Dec. 31.....
10 Bogardus & Ellaby.....	do.....	Sundries.....
10 Louis Spero.....	do.....	Office furniture.....
10 Wing & Evans.....	do.....	Bleaching powder.....
10 Catherine Ochsler.....	Kings County.....	1 animal.....
10 Jacob Schmitt <i>et al.</i>	do.....	2 animals.....
11 James Anderson.....	New York.....	Salary and expenses, Dec. 1 to 11.....
11 J. J. Feeks.....	do.....	60.44
12 Gustavson, E......	do.....	14.95
12 Canata & Kane.....	do.....	15.00
12 Hoole Manufacturing Co.....	do.....	135.00
13 James Wall.....	do.....	165.00
13 Lucian L. Bell.....	Deputy.....	Salary and expenses, Dec. 22 to 31.....
13 E. D. Vaughn.....	do.....	208.00
13 Horatio Young.....	do.....	27.17
16 John P. Bond.....	do.....	2.92
16 J. J. Feeks.....	do.....	13.59
17 Magdalina Geir.....	Queens County.....	Salary and expenses, Dec. 27 to 31.....
17 Louis Albrecht.....	Kings County.....	168.00
17 John Carmalt <i>et al.</i>	do.....	89.27
17 Magdalina Geir.....	do.....	59.78
17 L. H. Mace.....	7 animals.....	13.58
17 L. H. Mace <i>et al.</i>	3 animals.....	25.00
17 J. H. Goldin <i>et al.</i>	do.....	165.00
17 Patrick McCabe.....	7 animals.....	65.00
17 Margaretta Jaeger.....	1 animal.....	75.00
17 Mary Sthiel.....	do.....	110.00
19 W. H. Wray.....	do.....	165.00
19 C. Jackson.....	do.....	20.00
	Salary and expenses, Dec. 134 80.....	20.30
	do.....	96.75

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 19	A. C. Young		Salary and expenses, Dec. 1 to 5	\$21.74	\$0.35			
20	J. J. Feeks		Expenses, Jan. 17 to 20	42.65	\$42.00			
21	Michael J. Hatchett		Barrels		4.00			
21	James McCarthy		Salary, Dec. 31	2.72				
21	A. S. Barnes & Co.		Books, etc.			242.98		
26	Gleason & Bailey Manufacturing Company		Pumps, etc.			123.10		
26	Dunbar Box and Lumber Co.		Boxes			11.00		
26	J. E. Ryder		Salary and expenses, Dec. 22	134.80	7.20			
26	do		Expenses, Nov. 22		1.50			
			Total for month	\$6, 213.02	897.09	1, 037.40	\$617.00	\$145.00
				3, 516.53				
Feb. 2	Julius J. Feeks		Salary and expenses, Jan. 11 to 31	109.89	20.00			
2	do	Clerk	Expenses, Feb. 1 to 2	13.60				
6	Stanley Shepherd		Salary and expenses, Jan. 1 to 2	127.70	28.00			
7	C. W. Neilson		do	6.95				
7	Ch. B. Michener		do	85.20	7.89			
7	John P. Bond		do	208.00	4.52			
7	Jas. Anderson		do	208.00	25.82			
7	N. H. Pearson		do	136.30	5.92			
7	W. H. Wiley		do	208.00	48.13			
8	L. C. Wright		do	240.00	21.00			
8	Jas. F. O'Brien		Salary and expenses, Jan. 13 to 31	52.20	2.88			
8	Wm. A. Clancy		Salary and expenses, Jan. 26 to 31	13.74	2.10			
8	Geo. A. Woods		Salary and expenses, Jan. 26 to 31	19.23	1.04			
8	H. W. Bath		Salary and expenses, Jan. 7 to 31	68.68	2.02			
8	John McCloskey		Salary and expenses, Jan. 7 to 31	153.30	41.92			
8	Thos. J. Herr		do	85.20	2.87			
8	Dan. S. Jacobs		do	208.00				
8	Wm. Brimer		Salary and expenses, Jan. 4 to 31	76.92	5.50			
8	Jeremiah Connors		do	76.92	2.13			
8	Alex. McGilvray		Salary and expenses, Jan. 5 to 31	74.18	2.99			
8	O. J. Kavanaugh		Salary and expenses, Jan. 6 to 31	71.43	2.65			
8	Harvey Green		Salary and expenses, Jan. 23 to 31	24.73	1.24			
8	Chas. Magrane		Salary and expenses, Jan. 25 to 31	19.23	2.37			
9	Albert Stern		do	85.20	6.02			
9	F. B. Hayler		do	85.20	8.26			
9	Jas. J. Hearne		do	85.20	9.78			
9	Rich. Murphy		do	85.20	2.59			
9	Henry Bodes		do	74.18	2.78			

9	W. Washburn	do	24.73	4.12
9	W. O. Van Tassell	do	8.24	5.32
9	M. F. Post	do	85.20	3.72
9	do	do	do	do
10	Wm. Hogan	do	8.15	.60
10	J. J. Kellum	do	43.96	.72
10	Wm. J. Hines	do	10.99	do
10	R. J. Monair	do	10.48	do
10	Bozardus & Ellaby	do	24.73	do
11	J. C. Jackson	do	do	44.39
11	Jas. A. Breakell	do	136.30	13.30
11	A. K. Robertson	do	136.30	125.00
11	L. T. Bell	do	136.30	4.07
11	J. J. Feeks	do	208.00	45.00
11	Horatio Young	do	21.98	15.60
11	Jas. Wall	do	85.20	7.22
11	Ebenezer Bryant	do	85.20	7.22
11	E. D. Vaughan	do	85.20	15.50
11	J. B. Dochartaigh	do	82.42	7.22
11	John Chester	do	85.20	do
11	A. C. Shell	do	85.20	do
11	Geo. J. Murphy	do	85.20	do
11	T. J. Ryan	do	85.20	do
11	Wm. Wait <i>et al.</i>	do	74.18	do
13	J. J. Koehl	do	1,374.92	do
13	Jacob Hill	do	12.25	do
13	M. McKeel	do	24.73	13.30
13	J. D. Powell	do	do	do
13	Wm. Ramsey	do	do	do
13	H. S. Vandenhoff	do	do	do
13	do	do	do	do
18	B. A. McLean	do	136.30	4.82
18	Alfred May	do	17.39	14.08
18	Wm. Watt	do	184.00	30.89
18	J. M. Gardner	do	12.00	4.03
18	Jas. W. Smith	do	135.78	.92
18	H. B. Parsons	do	do	do
18	Jas. McCanty	do	do	do
18	Thad. K. Green	do	do	do
18	Wm. Mooney	do	do	do
18	W. F. Wiley	do	do	do
18	Nicholas Conzot	do	do	do
18	H. J. Palmer	do	do	do
18	T. E. D. Power	do	do	do
18	do	do	do	do
18	Jas. Bagley	do	do	do
18	Daniel Fox	do	do	do
18	James Law	do	do	do
18	Wm. J. Holiday	do	do	do
18	Wm. Rose	do	do	do
18	do	do	do	do
				.30

Expended from the appropriation for 1887-88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Afflicted cattle.	Exposed cattle.
1888.								
Feb. 18	Canda & Kane.	New York.	Lime.	\$200.00	\$133.93	\$108.75		
	R. A. McLean.		Salary and expenses, Nov.	216.00	146.77	.26		
18	do		Salary and expenses, Dec.	12.00				
29	James McBro伊, Jr.	Deputy.	Salary for Jan. 18 to 31			\$70.00		
20	A. C. Henry, Jr., et al.	Kings County.	54 animals.			482.25	\$1,010.00	
20	do	do	20 animals.					
20	Jas. Martin et al.	Richmond County.	9 animals.					
20	do	do	18 animals.					
20	A. Neidlinger et al.	New York County.	2 animals.					
20	do	do	61 animals.					
20	Leopold Weil.	Queens County.	33 animals.					
20	do	do	10 animals.					
21	Geo. Nelson.	Westchester County.	92 animals.					
21	do	do	7 animals.					
21	E. B. Brady.	do	74 animals.					
21	do	do	Salary for Jan. 23 to 31.	24.73				
23	Wm. Sheehan.	Deputy.	Salary and expenses, Jan. 21 to 31.	30.22	1.70			
23	W. P. Wallace.	do	Salary and expenses, Jan.	85.20	6.90			
23	Thos. W. Shadle.	do	do	72.67	7.88			
23	E. W. Kraft.	do	do					
23	Starr, Ga. Nan.	New York.	Time, etc.					
28	The Guttta-Pocha and Rubber Manufacturing Company.	do	Sundries.					
28	Townsend Wright.	Deputy.	Salary and expenses, Jan.	86.20	7.50			
28	Trow's Printing and Book-binding Company.	New York.	Stationery, etc.					
28	do	do	do					
28	Wing & Evans.	do	Bleaching powder.					
28	Henry Hescherberg.	Deputy.	Salary for Jan.	85.20				
28	Thos. J. Talbot.	do	Salary and expenses, Jan.	85.20	5.40			
			Total for month.	\$21,125.17				
				8,643.81	1,231.02	874.46	3,035.25	7,340.03
Mar. 2	F. J. Cazans.	Westchester County.	15 animals.					
5	do	do	5 animals.					
5	J. B. Docharta.	Deputy.	Salary for Feb.	79.60				
5	F. B. Huyler.	do	do					
5	Thos. J. Kyan.	do	do					
5	A. C. Shell.	do	do					
5	Sidney Shepherd.	Clerk.	do					
5	Wm. J. Watt et al.	Disinfectors.	Salaries for Feb.					
				1,800.70				

5 Thos. J. Herr	Salary and expenses, Feb	200.00	18.02
5 N. H. Paaren	do	200.00	6.02
5 C. W. Neilson	do	79.60	1.72
5 H. Ehrenspeck	do	35.71	1.32
6 Jas. F. O'Brien	Deputy	79.60	12.51
6 Wrig & Ryans	do	79.60	6.64
7 Henry Boden	New York	79.60	4.77
7 Jas. A. Kavanagh	Deputy	79.60	6.54
7 Jas. A. McCarthy	do	79.60	3.82
7 Geo. A. Woods	do	79.60	2.22
7 Alex. McGivney	do	79.60	6.64
7 Bogardus & Ellaby	New York	79.60	6.64
7 W. A. Willard	do	26.94	104.36
9 John P. Bond	do	200.00	34.12
9 W. H. Wray	do	230.00	18.51
9 Jas. A. Ireland	do	111.97	23.00
9 Ch. B. Michaelson	do	127.40	111.97
9 A. K. Robertson	do	160.00	3.02
9 Jas. Anderson	do	127.40	2.02
9 J. E. Ryder	do	127.40	8.97
9 Wm. J. Hobday	do	136.30	15.80
9 Jas. Thompson	Deputy	79.60	45.00
9 Chas. Magrane	do	79.60	3.82
9 John F. Crown	do	79.60	10.45
9 Geo. J. Murphy	do	71.43	7.58
9 R. J. Menair	do	79.60	80.00
9 Canda & Kame	do	79.60	110.00
9 Louis Spero	New York	79.60	80.00
9 W. M. Mooney	do	120.00	38.92
9 M. F. Post	do	143.40	41.02
9 H. W. Bath	do	63.19	8.24
9 Chas. A. Gleason	do	79.60	1.25
9 John McCloskey	do	79.60	2.68
9 Wm. A. Clancy	do	79.60	2.12
9 Jos. J. Kearne	do	79.60	5.96
9 J. J. Kellum	do	79.60	2.88
9 Joreniah Conomm	do	79.60	2.72
9 Wm. Sheehan	do	79.60	3.35
9 N. Conzett	do	79.60	8.97
9 Jas. Bagley	do	79.60	12.14
9 Albert Stern	do	200.00	45.12
9 Lucian T. Bell	do	143.40	11.82
9 Wm. Rose	do	79.60	8.53
10 Ebenezer Bryant	Deputy	79.60	8.04
10 Townsend Wright	do	79.60	27
10 Thos. J. Trabot	do	79.60	6.38
10 Wm. Kaussey	do	79.60	5.04
10 Daniel Fox	do	79.60	4.78
10 B. G. Underhill	do	79.60	4.04
10 Rich. Murphy	do	79.60	2.08
10 Jas. W. Smith	do	79.60	1.43

Expended from the appropriation for 1887-88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-	Affected cattle.	Exposed cattle.
1888.								
Mar. 10	Bon, Hants.	Deputy	Salary and expenses, Feb. 9 to 29	\$57.69	\$3.12			
10	Alfred May.	do	Salary for Feb.	29.00				
10	Jas. McElroy.	do	do	29.00			\$25.00	\$85.00
10	Henry Graulie.	Kings County	1 animal					
10	M. Kirchheimer	do	4 animals				45.00	
10	do	do	2 animals				25.00	
10	Nicholas Fifting	Queens County	1 animal				242.00	
10	D. J. Chadsey <i>et al.</i>	do	14 animals					302.00
10	do	do	do					45.00
10	Patrick Neill.	New York County	1 animal					30.00
10	Geo. Kinsey.	Richmond County	2 animals					
10	Jas. H. Smith	Deputy	Salary and expenses, Feb.	79.60	4.87			
12	J. D. Pawell.	do	do	79.60	32.72			
12	J. M. Gardner.	do	do	79.60	31.52			
12	Horatio Young	do	do	79.60	13.27			
12	W. P. Wallace.	do	do	79.60	1.26			
12	James Wall.	do	do	79.60	13.27			
12	J. C. Jackson.	Queens County	3 animals	127.40	110.42			
12	John C. Staydian.	do	1 animal				55.00	
12	Mary E. Carris <i>et al.</i>	do	3 animals				12.50	
12	do	do	10 animals				56.00	
12	Emil Morkert.	Kings County	11 animals				20.00	
12	Emil Morkert <i>et al.</i>	do	18 animals				240.00	
12	Emil Morkert.	do	6 animals				235.00	
12	Alex. Dickson <i>et al.</i>	do	14 animals				145.00	
12	C. H. Gilmore.	do	3 animals				61.00	
12	do	do	23 animals				424.00	
12	Mathias Geis <i>et al.</i>	Westchester County	2 animals				30.00	
12	Margaretha Schutz.	New York County	3 animals				35.00	
12	Trow's Printing and Bookbinding Company.	New York	1 animal				57.50	
14	H. S. Vanderloof.	Stationery					\$132.20	
15	Wm. Bulmer.	Salary and expenses, Feb.		127.40	45.00			
15	W. O. Van Russell.	do		79.60	34.14			
15	E. D. Vaughn.	do		79.60	37.42			
15	M. McKee.	do		79.60	10.32			
15	Thos. L. Mottram.	do		79.60	2.10			
15	B. K. Shetcker.	Salary for Feb. 11 to 29.					32.97	1.32

Apr. 4

Expended from the appropriation for 1887-88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Apr. 4	A. C. Shell.	Clerk.	Salary for Mar.	\$85.20				
	J. B. Dooherty	do	do	85.20				
	C. W. Neilson	do	do	85.20				
5	Simon Loeb <i>et al.</i>	New York County.	14 animals.					
5	do	do	44 animals.					
5	August Speth	Queens County.	1 animal.					
5	Peter Schauss <i>et al.</i>	do	40 animals.					
5	do	do	120 animals.					
5	J. H. Smith	Kings County.	2 animals.					
5	A. W. Monfort <i>et al.</i>	do	6 animals.					
5	do	do	25 animals.					
5	Geo. W. Kinsey <i>et al.</i>	Richmond County.	110 animals.					
5	do	do	14 animals.					
5	I. C. Wright	Deputy.	17 animals.					
7	H. W. Bath		Salary and expenses, Mar.	85.20				
7	W. A. Willard	Deputy.	do	153.30				
7	H. B. Parsons	do	do	30.76				
7	Thos. W. Shute	do	do	40.12				
7	Jas. Bagley	do	do	26.44				
7	Albert Stern	do	do	31.37				
7	H. J. Palmer	do	do	11.93				
7	Geo. Nelson	do	do	85.20				
7	B. N. Snedeker	do	do	9.37				
7	Thomas J. Ryan	do	do	85.20				
7	Geo. J. Murphy	do	do	9.37				
7	R. J. Menair	do	do	85.20				
7	Thos. J. Herr	do	do	8.83				
7	John P. Bond	do	do	85.20				
7	N. H. Paaren	do	do	2.45				
7	Ch. B. Michener	do	do	79.60				
7	J. E. Ryder	do	do					
7	A. K. Robertson	do	do					
7	Miles Adams	Deputy.	Salary and expenses, Mar.					
7	Belinda Olmstead	Westchester County.	do	216.00				
9	Belinda Olmstead <i>et al.</i>	do	do	216.00				
9	do	do	do	216.00				
9	Louis Meyers <i>et al.</i>	Queens County.	Salary and expenses, Mar., 20 days	160.00				
9	do	do	do	127.40				
9	Daniel Gill	Kings County.	Salary and expenses, Feb.	136.30				
			Salary and expenses, Mar.	52.20				
			Salary and expenses, Feb., 20 to 29	24.00				
			2 animals.					
			11 animals.					
			14 animals.					
			16 animals.					
			1 animal.					

John Noeth <i>et al.</i>	do	5 animals	155.00
9 Murtha J. Garry	do	3 animals	65.00
9 Thomas Beatty	do	1 animal	10.00
9 Isaac Frank <i>et al.</i>	do	2 animals	53.40
9 do	do	4 animals	155.00
11 James A. Breakell	do	7 animals	90.00
11 Wm. Rose	do	Salary and expenses, Mar.	
11 E. W. Kraft	do	136.30	118.33
11 J. M. Gardner	do	153.30	3.62
11 Jas. Anderson	do	85.20	32.40
11 M. F. Post	do	85.20	30.12
11 W. F. Wiley	do	85.20	9.37
11 J. D. Powell	do	85.20	38.92
11 Wm. Bulmer	do	85.20	39.37
11 Chas. F. Matthews	do	85.20	34.57
11 W. Washburn	do	85.20	34.14
11 E. D. Vaughn	do	85.20	32.42
11 James Wall	do	85.20	32.42
11 Horatio Young	do	85.20	32.18
11 Jas. H. Smith	do	85.20	16.37
11 Rich. Murphy	do	85.20	14.52
11 W. A. Clancy	do	85.20	14.52
11 Jeremiah Connors	do	85.20	4.92
11 W. O. Van Tassel	do	85.20	12.08
11 Henry Bodes	do	85.20	11.44
11 Chas. Magrane	do	85.20	9.58
11 Alex. McGilvray	do	85.20	33.52
11 O.J. Kavanaugh	do	85.20	5.74
11 John F. Crown	do	85.20	7.01
11 Thos. L. Mottram	do	85.20	11.99
11 Nicholas Conzet	do	85.20	11.83
11 Wm. Sheehan	do	85.20	11.60
11 W. P. Wallace	do	85.20	.82
11 Geo. A. Woods	do	85.20	1.34
11 Jas. McCarthy	do	85.20	3.72
11 P. Green	do	85.20	1.64
11 do	do	85.20	2.52
11 Jacob Helfreich	do	85.20	2.22
11 Chas. Dreyer	do	do	238.00
11 S. Strauss & Bro.	do	do	23.00
11 Leopold Well <i>et al.</i>	do	do	20.00
11 do	do	do	25.00
11 Jas. Martin <i>et al.</i>	do	do	25.00
11 L. H. Gentileman	do	do	713.00
11 Wm. M. Smith	do	do	184.00
11 do	do	do	30.00
11 A. Davis <i>et al.</i>	do	do	15.00
11 Henry Hesterberg	do	do	2,239.00
11 Jas. McElroy	do	do	1,617.73
		do	79.60
		do	31.00

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellanea-	Affected cattle.	Exposed cattle.
1888.	Alfred May.	Deputy	Salary for Mar.	\$31.00	.....	.....	.....	.....
(Apr. 11	Gustav L. Cohn.	do	Salary for Mar. 15 to 31	17.00	.....	.....	.....	.....
12	J.C. Jackson.	do	Salary and expenses, Mar.	136.30	.....	\$93.80	.....	.....
13	G.W. Gilbert.	do	Salary and expenses, Mar. 19 to 31	42.86	.....	35.78	.....	.....
13	Wm. J. Holday.	Deputy	Salary and expenses, Mar.	85.20	.....	45.00	.....	.....
13	L. T. Bell.	do	do	216.00	.....	45.00	.....	.....
13	D.S. Jacobs.	Deputy	Salary and expenses, Mar. 13 days	85.20	.....	14.78	.....	.....
13	H.C. Gregory.	Appraiser	Sundries	65.00	.....	49.21	.....	.....
13	Bogardus & Ellaby.	New York.	Stationery	.....	.....	\$70.78	.....	.....
13	Trow's Print. and B'k Bind'g Co.	do	Line	.....	.....	59.50	.....	.....
13	Canda & Kane.	do	Bleaching powder	.....	.....	110.00	.....	.....
13	Wing & Evans.	do	Expenses, Apr. 9 and 10	10.36	.....	168.30	.....	.....
14	N.J. Colman.	Richmond County	4 animals	.....	.....	\$20.00	.....	.....
16	V. Brantingham.	Kings County	1 animal	.....	.....	.....	\$80.00	.....
16	Jas. Flanagan.	do	8 animals	.....	.....	.....	160.00	.....
16	Owen Connelly.	New York County	2 animals	.....	.....	48.00	.....	.....
16	Aaron Picard <i>et al.</i>	Queens County	1 animal	.....	.....	.....	20.00	.....
16	Aaron Picard.	do	1 animal	.....	.....	35.00	.....	.....
16	Joseph Long.	do	1 animal	.....	.....	10.00	.....	.....
16	Edw. O'Keefe.	do	6 animals	.....	.....	95.00	.....	.....
16	Alfred Horn <i>et al.</i>	do	10 animals	.....	.....	150.00	.....	.....
16	John Banks.	Appraiser	Salary and expenses, Mar., 20 days	100.00	.....	90.35	.....	.....
19	Ebenezer Bryant.	Deputy	Salary and expenses, Mar.	85.20	.....	11.23	.....	.....
19	Townsend Wright.	do	do	85.20	.....	9.80	.....	20
19	Thos. J. Talbot.	do	do	85.20	.....	3.88	.....	.....
19	Jas. Thompson.	do	do	85.20	.....	2.22	.....	.....
19	Wm. Ramsey.	do	do	85.20	.....	3.20	.....	.....
19	Harvey Green.	do	do	85.20	.....	7.50	.....	.....
19	Jos. J. Heane.	do	do	85.20	.....	31.22	.....	.....
19	Benj. Hants.	do	do	85.20	.....	7.62	.....	.....
19	Wm. J. Hines.	do	do	85.20	.....	37.62	.....	.....
19	H. Eurenspeck.	do	do	85.20	.....	32.32	.....	.....
19	B.C. Underhill.	do	do	85.20	.....	34.04	.....	.....
19	Jas. W. Smith.	do	do	85.20	.....	2.16	.....	.....
19	John Noeth <i>et al.</i>	Kings County	25 animals	.....	.....	465.00	.....	.....
19	do	do	100 animals	.....	.....	1,512.00	.....	.....
19	Louis Gimpel <i>et al.</i>	do	20 animals	.....	.....	480.00	.....	.....
19	do	do	55 animals	.....	.....	1,100.00	.....	.....
19	Isaac Frank.	New York County	1 animal	.....	.....	10.00	.....	.....
19	Isaac Frank <i>et al.</i>	do	4 animals	.....	.....	95.00	.....	.....

19	do	5 animals	93.00
19	Simon Loeb	7 animals	183.00
19	Simon Loeb <i>et al.</i>	31 animals	534.00
19	Chas. Jagle <i>et al.</i>	13 animals	280.00
19	do	47 animals	1,030.00
19	Chas. Story <i>et al.</i>	19 animals	428.00
19	do	40 animals	880.00
19	Chas. A. Gleason	Salary and expenses, Mar.	
20	J. C. Shanley	do	
20	Timothy Carney	5 animals	
20	do	6 animals	
20	Chas. E. Whitson <i>et al.</i>	9 animals	
20	Chas. E. Whitson <i>et al.</i>	11 animals	
20	do	15 animals	
20	do	48 animals	
21	Thos. M. Farrell	Salary and expenses, Feb.	
21	do	Salary and expenses, Mar.	
21	Jas. F. O'Brien	do	
21	Henry Heisterberg	Salary and expenses, Mar.	
21	J. J. Kelim	do	
21	Geo. Nelson	5 animals	
23	Andrew Fringoli	4 animals	
23	Andrew Fringoli <i>et al.</i>	16 animals	
23	Johanna Gunther	8 animals	
23	Martin Ieffington	1 animal	
23	Frances Oder <i>et al.</i>	4 animals	
23	Joseph Acton	Salary and expenses, Mar. 12 to 31	
26	John Chester	Salary and expenses, Feb.	
26	John J. Fay	Salary and expenses, Mar. 16 to 31	
26	James Law	do	
26	Hoole Manufacturing Co.	Tags	
26	A. S. Barnes & Co.	Stationery, etc.	
27	Daniel Fox	Salary and expenses, Mar.	
27	J. E. Ryder	do	
27	H. B. Parsons	Salary and expenses, Apr. 1 to 20	
27	do	Expenses, Jan.	
27	Wm. Thacker	Salary and expenses, Mar. 6 to 31	
19	R. C. Archer	1 animal	
19	do	4 animals	
19	do	11 animals	
		Total for month	\$4,488.47
			11,334.21
May	Thos. Coyle <i>et al.</i>	Disinfectors	776.36
4	Miles Adams	Salaries, Apr.	9,547.40
4	John Chester	Salary and expenses, Mar.	
4	do	do	
4	R. A. McLean	Salary and expenses, Jan. 15	
4	do	Salary and expenses, Feb.	
4	Sidney Shepherd	Salary for Apr.	
4	A. C. Sheall	do	
4	C. W. Neilson	do	

Expended from the appropriation for 1887-88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
May 4	J. B. Docharty	Clerk	Salary for Apr. 1 to 13	\$35.71				
	do	do	Salary for Apr. 14 to 30	56.04				
4	John W. Melhi <i>et al.</i>	Kings County	31 animals					
4	do	do	97 animals					
4	Chas. E. Whitson <i>et al.</i>	Queens County	4 animals					
4	Fred Kuckuk <i>et al.</i>	do	29 animals					
4	do	do	60 animals					
4	do	do	7 animals					
4	John Carey	do	9 animals					
4	Sarah Collins	do	1 animal					
4	John Smithwick	New York County	2 animals					
4	Patrick Ryan	Richmond County	1 animal					
4	Max. Light	do						
5	N. H. Paaren	do						
5	John P. Bond	do						
5	Jas. Anderson	Deputy	Salary and expenses, Apr.	200.00	\$10.67			
5	Albert Stern	do	do	200.00	13.17			
5	Jos. J. Hearne	do	do					
5	Geo. A. Woods	do	do					
7	Jas. A. Breakell	do	do					
7	Wm. Rose	do	do					
8	Wm. H. Catlin	do	do					
9	Adolph Bowers	Deputy	Salary and expenses, Apr. 19 to 30.	32.97				
9	A. K. Robertson	do	do					
9	Ch. B. Michener	do	do					
9	Wm. J. Hobday	Deputy	Salary and expenses, Apr., 22 days	131.90	3.02			
9	Henry Bodes	do	do					
9	Peter Dickerson	do	do					
9	Wm. Sheehan	do	do					
9	Daniel Fox	Disinfector	Expenses, Rob.	32.40	1.92			
9	Harvey Ostendarp	do	Salary for Apr., 15 days	37.50				
11	H. W. Bath	do	Salary and expenses, Apr.	148.30	41.02			
11	H. S. Vanderhoff	do	do	131.90	45.00			
11	Wm. Bulwer	Deputy	do	82.40	33.14			
11	J. M. Gardner	do	do	82.40	31.72			
11	Daniel Fox	do	do	82.40	31.92			
11	Dan'l S. Jacobs	do	do	82.40	16.07			
11	E. D. Vaughan	do	do	82.40	11.92			
11	O. J. Kavanagh	do	do	82.40	6.79			
11	Alex. McIlvain	do	do	82.40	6.95			

11	Wm. A. Clancy	do	do	82.40	6.05
11	Rich. Murphy	do	do	82.40	6.21
11	Jeremiah Connors	do	do	82.40	5.64
11	Wm. Ramsey	do	do	82.40	1.56
11	Jas. H. Smith	do	do	82.40	5.58
11	Wm. Kavanagh	do	do	38.46	74.18
11	do	do	do	85.20	38.46
11	F. B. Huyler	do	do	82.40	85.20
11	R. J. Menair	do	do	82.40	82.40
11	Geo. J. Murphy	do	do	82.40	82.40
12	John J. Fey	do	do	98.90	56.22
12	M. F. Poste	Deputy	do	82.40	38.92
12	J. D. Powell	do	do	82.40	37.92
12	Wm. J. Hines	do	do	82.40	36.12
12	Thad. K. Green	do	do	82.40	34.25
12	J. F. Crown	do	do	82.40	5.88
12	Wm. Hoan	do	do	85.20	4.52
12	Harvey Green	do	do	82.40	5.00
12	W. P. Wallace	do	do	82.40	1.26
12	Chas. Magrane	do	do	82.40	12.94
12	Jas. Bagley	do	do	82.40	11.22
12	John McCloskey	do	do	82.40	1.93
12	J. J. Kellum	do	do	82.40	5.72
12	Jas. W. Smith	do	do	82.40	4.44
12	Wm. Kavanagh	do	do	82.40	82.40
14	Trow's Printing and Book-binding Company.	New York	do	do	\$103.24
14	Canada & Kane	do	Deputy	do	137.50
14	E. W. Kraft	do	do	82.40	31.26
14	Jas. Wall	do	do	82.40	12.82
14	P. Dickerson	do	do	79.60	1.98
14	do	do	do	24.73	do
14	Fred. Drews	do	do	30.22	do
15	J. C. Shandley	do	do	82.40	33.40
15	Ebenezer Bryant	do	do	82.40	15.18
15	Jos. Fallon	do	do	82.40	11.03
15	Thos. J. Talbot	do	do	82.40	9.04
15	J. S. Candee	do	do	61.54	4.98
15	Chas. L. Leopold	do	do	35.71	do
17	H. C. Gregory	Deputy	do	110.00	83.74
17	John Banks	Appraiser	do	115.00	103.05
17	P. Dickerson	Deputy	do	85.20	1.87
17	Townsend Wright	do	do	82.40	12.30
17	Jas. P. O'Brien	do	do	82.40	13.17
17	Jas. Thompson	do	do	74.18	2.92
17	Jas. McCarthy	do	do	74.18	2.92
17	Thos. J. Herr	do	do	240.00	44.12
17	Gustav L. Cohn	Deputy	do	30.00	do
17	Alfred May	do	do	30.00	30.00
17	Jas. McElroy	do	do	82.40	do
17	Benj. N. Siedecker	do	do	do	do
17	Wing & Evans	do	do	do	do
					New York
					Bleaching powder
					294.40

Expended from the appropriation for 1887-88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
May 17	Bogardus & Ellaby	New York				\$23.50	\$25.00	
17	John Cartmell	Kings County				140.00	140.00	
17	Sam'l Strauss	do						\$60.00
17	do	do				732.64	732.64	
17	Sam'l Strauss <i>et al.</i>	do					1,512.04	
17	do	do				109.00	109.00	
17	John Wilhelm <i>et al.</i>	do					250.00	
17	do	do					240.00	
17	J. H. Hilliker	Queens County				360.00	360.00	
17	do	do				461.00	461.00	
17	Thos. Hoeg <i>et al.</i>	do					925.00	
17	do	do				10.00	10.00	
17	Martin Reddington	do					160.00	
17	Martin Reddington <i>et al.</i>	do					55.00	
17	A. Reinheimer	New York County					15.00	
17	do	do					33.98	
17	K. Fuehner	do					36.00	
17	K. Fuehner <i>et al.</i>	do					15.00	
17	Edw. Conklin	Richmond County					15.00	
17	Garrett Brown	Westchester County					15.00	
18	Thos. G. Wilson	Deputy						
18	L. T. Bell	Deputy				\$21.98		
18	Miles Adams	do				200.00	\$45.00	
18	I. C. Wright	do				82.40	37.62	
18	Chas. A. Gleason	do				82.40	36.14	
18	C. F. Matthews	do				82.40	34.08	
18	W. Thacker	do				82.40	32.42	
18	Thos. W. Shute	do				82.40	11.32	
18	Benj. Hanis	do				82.40	8.02	
18	Wm. Derveson	do				82.40	6.12	
18	Wm. Nelson	do				30.22		
18	Frank Ketcham	do				79.67	2.87	
18	do	do				13.00	1.68	
18	W. F. Wiley	do				25.00	1.93	
18	H. J. Palmer	do				82.40	37.62	
18	Nicholas Conzett	do				79.67	32.87	
18	Horatio Young	do				82.40	2.22	
21	Henry Heenberg	do				82.40	12.82	
21	H. J. Palmer	do				82.40		
21	T. L. Mottram	do					30.00	
							82.40	13.32

June

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 1	F. B. Hayter	Clerk	Salary for May	\$85.20				
	A. C. Shell	do	do	85.20				
	Jos. J. Hearne	Deputy	do	85.20				
	Geo. J. Murphy	do	do	85.20				
	Peter B. Brady	do	Salary for May 10 to 31	80.44				
	E. Y. Itibus <i>et al.</i>	Kings County	53 animals					
	do	122 animals	Salary and expenses, May					
	Wm. H. Callin	do	do	270.00	\$30.00			
	Jno. P. Bond	do	do	216.00	24.97			
	N. H. Paaren	do	do	216.00	11.69			
	H. W. Baile	do	do	153.40	41.62			
	Thos. Corke <i>et al.</i>	Disinfectors	Salaries, May	1,304.40				
	G. W. Gilbert	do	Salary and expenses, Apr	98.90	110.61			
	J. Trow's Printing and Book- binding Company	New York	Stationery, etc.			239.55		
	Canda & Kane	do	do			52.50		
	The Gutta Percha and Rubber Manufacturing Company	do	do			36.15		
	Wing & Evans	do	Bleaching powder			228.48		
	Lucian T. Bell	do	Salary and expenses, May	216.00	45.00			
	Wm. J. Hobday	Deputy	do	85.20	45.00			
	C. B. Michener	do	do	216.00	23.56			
	G. W. Gilbert	do	do	102.20	104.64			
	H. S. Vaudenhoff	do	do	136.20	45.00			
	Wm. Rose	do	do	153.40	1.70			
	Jas. Anderson	do	do	136.20	14.24			
	A. K. Robertson	do	do	136.20	2.32			
	Daniel Fox	Deputy	do	85.20	30.12			
	Thos. M. Farrell	do	do	85.20	30.12			
	Wm. J. Hines	do	do	79.67	30.12			
	Albert Stein	do	do	85.20	15.66			
	E. D. Vaughan	do	do	85.20	14.37			
	Townsend Wright	do	do	85.20	9.52			
	Jas. H. Smith	do	do	85.20	8.28			
	Richard Murphy	do	do	85.20	8.52			
	Henry Bodes	do	do	85.20	8.08			
	Jeremiah Connors	do	do	85.20	4.77			
	Joseph A. Conon	do	Salary for May	85.20				
	Henry Hesterborg	do	do	85.20				
	Wm. Kansoy	do	do	85.20				
	Benj. Harris	do	Salary for May, 29 days	79.67				

13	Frank Keecham	do	27.00	109.62	
13	Jas. A. Breakean	Appraiser	136.20	109.62	
13	John Banks	Deputy	95.00	87.99	
13	R. J. Manaar	do	85.20	87.99	
13	B. N. Sheddeler	do			
13	Wm. Kavanagh	do			
13	Thos. W. Shute	do			
13	Geo. Nelson	do			
13	G. L. Conn	do			
13	Alfred May	do			
13	Chas. Levy	Queens County	31.00	31.00	
18	W. J. Watt <i>et al</i>	Disinfectors		7.00	
18	W. J. Watt				
19	Thos. J. Herr	Deputy	269.73	14.52	
19	M. F. Post	do	248.00	44.44	
19	E. W. Kraft	do	85.20	35.88	
19	J. M. Gardner	do	85.20	31.26	
19	Chas. A. Gleason	do	85.20	30.12	
19	John C. Shandley	do	85.20	30.12	
19	E. Bryant	do	85.20	30.12	
19	Horatio Young	do	85.20	21.42	
19	James Wall	do	85.20	18.02	
19	Thos. J. Talbot	do	85.20	18.02	
19	Wm. A. Clancy	do	85.20	10.80	
19	John Chester	do	85.20	8.52	
19	Jas. F. O'Brien	do	82.40	10.96	
19	Jas. W. Smith	do	82.42	6.52	
19	Thos. L. Mottram	do	85.20	2.42	
19	Thos. G. Wilson	do	85.20		
19	Fred. Drews	do	85.20		
19	Wm. Sheehan	do	82.42		
19	Jas. Thompson	do	75.55	3.02	
19	James McCarthy	do	75.55	3.02	
19	H. J. Palmer	do	41.21	14.64	
19	John E. Sharkey	do	46.70	4.41	
19	M. Campbell	do	46.70	4.20	
19	O. J. Kavanaugh	do	41.21	4.82	
19	J. F. Crown	do	41.21	4.07	
19	N. Conzett	do	85.20	2.60	
19	Wm. Bulmer	do	85.20	33.14	
19	H. Ehrenspeck	do	82.42	30.00	
19	Geo. A. Woods	do	85.20	2.42	
19	W. P. Wallace	do	85.20	1.26	
19	J. J. Kellum	do	41.21	2.42	
19	Harvey Green	do	41.21	2.62	
19	Mark Skennion	do	38.46		
19	J. S. Canaleo	Deputy	136.20	13.05	
19	M. McKeel	do	63.19	4.32	
19	Jas. W. Curran	do	54.95		
19	Wm. Devoson	do	85.20	1.82	
19	Chas. L. Leopold	do	85.20	2.17	
19	C. W. Neilson	do			

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
June 19	Chas. Macrane.	Deputy	Salary and expenses, May	\$85.20	\$10.01			
	Jos. Fallon	do	do	85.20	8.27			
19	Adolph Bevers	do	do	85.20	9.10			
19	Jas. Bagley	do	do	85.20	10.67			
19	W. F. Wiley	do	do	65.93	31.97			
19	John J. Roy	do	do	102.20	78.52			
19	J. C. Jackson	do	do	136.20	75.90			
19	T. J. Blair	New York	Office furniture			\$37.75		
	do	do	do			23.00		
19	Jugardus, Eliaby & Blisworth	do	do			24.65		
19	N. Krikland	Disinfector	Salaries for June, 9 days	20.25				
19	M. McKeel	Deputy	Salary for April	82.40				
19	Wm. H. Hermann	Disinfector	Salary for June, 8 days	18.00				
19	M. McKeel	Deputy	Salary for May, 12 days	32.97				
19	Jas. McElroy	do	Salary for May	31.00				
20	Gleason & Bailey Mfg. Co.	New York	Sundries				6.40	
20	Askin & Co.	do	Office sign				2.25	
21	P. Dickerson	Deputy	Salary and expenses, May	85.20		2.03		
21	Frank Ketcham	do	Salary for June, 11 days	11.00				
22	Miles Adams	do	Salary and expenses, May, 20 days	54.95		22.40		
27	James Law	do	Salary and expenses, May	540.00		23.36	153.83	
27	do	do	Expenses, April and March			15.92	1.63	
27	Wm. Hogan	do	Salary and expenses, May	85.20		5.12		
27	Chas. Macrane	do	Salary and expenses, June 1 to 13	35.71		3.82		
27	E. D. Vaughn	do	Salary and expenses, June 1 to 5	13.74		2.52		
27	A. S. Barnes & Co.	New York	Stationery, May				4.51	
29	R. A. McLean	do	Salary and expenses, May	216.00		144.34	9.00	
29	J. S. Candee	do	Salary and expenses, March	224.00		98.37		
30	Wm. A. Clancy	Deputy	Salary and expenses, June 1 to 13	57.14		5.82		
30	Richard Murphy	do	do	35.71		4.65		
30	G. W. Neilson	Clerk	Salary for June 1 to 13	35.71				
30	Sidney Shepherd	do	Salary for June	123.60				
30	J. B. Dochart	do	do	98.90				
30	Ch. B. Michener	do	Salary and expenses, June, 15 days	120.00		2.77		
30	D. E. Salmon	do	Expenses, May 14			4.10		
30	Jos. J. Hearn	Deputy	Salary for June 1 to 13	35.71				
30	Thos. W. Shatto	do	Salary for June 1 to 5	13.74				
30	R. J. McNeal	do	Salary for June 1 to 13	35.71				
30	Geo. J. Murphy	Clerk	Salary for June	82.40				
30	R. B. Huyler	do	do			82.40		

June 30	G. L. Cohn	Deputy	Salary for June 1 to 13
30	Jas. McElroy	do	13.00
	Alfred May	do	13.00
		Total for month	\$19,377.85
July	N. H. Paaren	Deputy	Salary and expenses, June 1, to 13
6	Adolph Bevers	Deputy	Salary for June 1 to 13
6	Canda & Kane	New York	1 animal
9	Michael Grinn	Queens County	1 animal
9	L. H. Gentleman	do	10 animals
9	L. H. Gentleman <i>et al.</i>	do	10 animals
9	do	do	3 animals
9	Chas. H. Ryan	Kings County	5 animals
9	do	do	5 animals
9	do	do	7 animals
9	do	do	7 animals
10	Thos. M. Farrell	Deputy	Salary and expenses, June 1 to 13
10	G. W. Gilbert	do	35.71
10	J. E. Ryder	New York	Salary and expenses, May
10	H. D. Young	do	42.86
11	Jos. Fallon	Deputy	Office furniture
11	Wm. Rose	do	136.20
11	Henry Bordes	Deputy	Salary and expenses, June 1 to 13
11	Thos. G. Wilson	do	82.40
11	John J. Foy	Deputy	Salary and expenses, June 1 to 14
11	J. E. Sharpey	do	35.71
11	M. Campbell	do	62.64
11	Chas. L. Leopold	do	35.71
11	Jas. McCarthy	do	35.71
11	Wm. Ramsey	Hicksville	Salary and expenses, June 1 to 14
11	Jos. McGunnagle	do	35.71
11	Christoph Yagle	do	32.97
11	Jas. Anderson	do	Burying carcasses
11	John P. Bond	Deputy	Salary and expenses, June 1 to 13
11	Wm. Hogan	do	131.90
11	Jas. Bagley	do	208.00
11	J. C. Shandley	do	82.40
11	E. W. Kraft	do	68.68
11	Jas. Wall	do	16.48
11	A. K. Robertson	Deputy	Salary and expenses, June 1 to 5
11	Wm. J. Hobday	do	13.74
11	Wm. Baldwin	do	131.90
11	Chas. A. Gleason	do	82.40
11	Jas. F. O'Brien	do	82.40
11	Jeremiah Connors	do	82.40
11	Geo. A. Woods	do	82.40
11	Wm. Deveson	do	82.40
11	W. B. Kavanagh	do	12.74
11	H. Hesterberg	do	35.71
11	P. B. Brady	do	32.97

Expended from the appropriation for 1887-'88, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneou.s.	Affected cattle.	Exposed cattle.
1888								
July 11	B. N. Snedeker	Deputy	Salary for June 1 to 5.....	\$13.74				
11	W. P. Wallace	do	do	13.74				
11	Thos. L. Moitram	do	Salary for June, 29 days.....	13.74				
11	Jos. A. Anton	do	Salary and expenses, June	82.40				
11	Fred. Drews	do	do	82.40				
13	T. J. Talbot	do	Salary and expenses, June	82.40				
13	Jas. H. Smith	do	do	82.40				
13	Jas. V. Smith	do	Salary for June.....	82.40				
13	P. Dickerson	do	Salary and expenses, June 1 to 13	35.71				
13	H. Ehrenspock	do	do	35.71				
13	Miles Adams	do	Salary and expenses, June 11, 12 days.....	35.71				
13	N. Conzat	do	Salary and expenses, June, 28 days.....	30.22				
13	H. Young	do	Salary and expenses, June, 12 days.....	76.92				
13	W. J. Hines	do	Salary and expenses, June, 12 days.....	30.00				
13	Daniel Fox	do	Salary and expenses, June, 12 days.....	32.97				
13	Albert Stern	do	Salary and expenses, June.....	82.40				
14	R. H. Palmer	do	Salary and expenses, April.....	82.40				
14	do	do	Salary and expenses, May.....	85.20				
14	do	do	Salary and expenses, June.....	82.40				
14	Lucian T. Bell	Deputy	Salary for June 1 to 6.....	208.00				
14	Benj. Hants	do	Salary and expenses, June 1 to 7.....	16.48				
14	M. F. Post	do	Salary for June.....	19.23				
16	Wm. H. Catlin	Deputy	Salary and expenses, June.....	260.00				
16	H. W. Curran	do	Salary and expenses, June 1 to 13.....	82.40				
16	H. W. Bath	Deputy	Salary and expenses, June 1 to 14.....	64.29				
16	E. Bryant	do	do	38.46				
16	T. Wright	do	do	38.46				
16	Jas. Thompson	do	Salary for June 1 to 5.....	13.74				
16	Trow's Printing & Bookbinding Company	New York	Stationery, etc				\$195.95	
16	Gleason & Bailey Mfg Co.	do	Piston-rods, etc.....				3.00	
18	James Law	do	Salary and expenses, June, 21 to 31.....	520.00			2.78	
18	James Hyatt	Deputy	do	11.00			1.47	
20	J. C. Jackson	do	Salary and expenses, June, 21 to 31.....	82.40			20.12	
20	Wm. Sheehan	Deputy	do	41.21			6.12	
21	Thos. J. Heit	do	Salary and expenses, June, 28 days.....	131.90			83.45	
21	C. B. Michener	do	Salary and expenses, June, 6 days.....	76.92			3.12	
23	ILS. Vanderhoff	do	Salary and expenses, June, 4 days.....	240.00			44.28	
23	W. F. Wiley	do	Salary and expenses, June 14 to 30.....	48.00			45.00	
26	N. H. Paaren	do	Salary and expenses, June 14 to 30.....	131.90			5.12	
				120.00			6.97	

27	Jas. A. Breakell	Salary and expenses, June 14 to 30	131.90	78.00
	J. S. Candee	Salary and expenses, June 14 to 30	74.73	2.62
		Total for month	\$8, 154.47	
			5, 540.70	
			131.90	
			41.21	
			25.63	
			7.33	
			286.67	
			765.00	
			620.00	
Aug. 4	J. E. Ryder	Salary and expenses, June		
14	John Chester	Deputy		
16	James Law	Dis. corps and misc. exp. Apr. to June		
16	T. E. D. Power	Office rent, June		
16	Mark Skennion	Salary for June 1 to 5		
18	R. A. McLean	Salary and expenses, June		
		Total for month	\$722.32	
			394.85	
			194.50	
			132.88	
		Telephone service, June		
		Sheriff's services, May 24		
		1 animal		
		6 animals		
		1 animal		
		Total for month	\$225.47	
			182,012.56	
		Grand total	71,340.96	
			13,404.46	
			6,505.39	
			29,828.38	
			60,931.87	

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NEW JERSEY.

1887.	Dec. 3	John Newmyer <i>et al.</i>	Disbursed to Nov. 30	\$8,099.60	2,395.90	1,131.56	156.05	1,920.00	2,490.00
	3	Middlesex County	9 animals						
	8	do	17 animals						
	8	B. D. Phillips	Salary for Nov		68.40				
	12	H. W. Rowland	Salary and expenses, Nov		114.20	45.75			
	14	W. B. E. Miller	do		200.00	91.61			
	16	Wm. Dimond	do		146.80	121.71	43.28		
	22	Terry Clancy	4 animals					100.00	
	22	do	8 animals						260.00
	3	H. Reinberg	3 animals						75.00
			Total for month		529.40		259.07	43.28	355.00
									720.00
1888.	Jan. 7	B. D. Phillips	Salary for Dec						
	7	Jas. Law	Salary and expenses, Dec. 5 days		70.80				
	7	W. B. E. Miller	Salary and expenses, Dec.		20.00	3.80			
	11	John Cororan	11 animals		216.00	58.54			
	11	do	7 animals						325.00
			Salary and expenses, Dec. 10 to 31						
	13	Wm. Dimond	168.50		146.71				
	13	E. L. Loblein	70.00		28.88				
	19	A. C. Young	113.06		138.95				
			Salary and expenses, Dec. 6 to 31						

Expended from the appropriation for 1887-'88, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 19	H. W. Rowland		Salary and expenses, Dec.	\$117.90	\$46.40			
			Total for month.	\$1,750.05	776.26	423.28	\$60.51	\$165.00
Feb. 7	E. L. Loblein		Salary and expenses, Jan., 16 days	80.00	33.00			
7	W. B. E. Miller		Salary and expenses, Jan.	200.00	53.15			
7	A. C. Young	Clerk	do	136.30	91.42			
7	B. D. Phillips		Salary for Jan.	71.50				
11	Wm. Dimond		Salary and expenses, Jan.	170.30	83.50	135.05		
11	do		Expenses, Dec.			30.00		
11	2 animals		2 animals					
8	H. Feinberg	Hudson County	Salary and expenses, Jan. 4 to 22	93.96	44.35			
17	Jas. A. Warath		Salary and expenses, Jan. 17	20.00	3.70			
18	James Law		Salary and expenses, Jan.	119.20	46.65			
18	H. W. Rowland		Total for month.	\$1,492.08	891.26	355.77	165.05	50.00
Mar. 5	B. D. Phillips	Clerk	Salary for Feb.	79.60	76.40			
6	A. C. Young		Salary and expenses, Feb.	127.40				
7	W. A. Willard	Warren County	Salary and expenses, Feb. 13 to 26	53.87	43.07			
10	Sam'l S. Fry <i>et al.</i>	do	8 animals					
10	do	Middlesex County	5 animals					
10	Wm. F. Fisher	do	2 animals					
10	Wm. F. Fisher <i>et al.</i>	Hudson County	3 animals					
10	Mary Hanan <i>et al.</i>	do	7 animals					
10	do	do	6 animals					
10	Henry Bracht	do	1 animal					
10	John Ploetz	do	4 animals					
10	do	do	do					
12	John Roberts	Deputy	Salary and expenses, Feb. 8 to 29	60.44	13.45			
12	E. L. Loblein		Salary and expenses, Feb. 17 days	85.00	29.61			
14	Catherine McMann	Hudson County	4 animals					
14	do	do	3 animals					
14	The Gutta-Percha & Rubber Manufacturing Company	New York	Sundries, Feb.					
14	Bogardus & Ellaby	do	do					
14	Wing & Evans	Jersey City	Bleaching powder					
14	Washburn Bros	do	Lime					
15	W. B. E. Miller		Salary and expenses, Feb.					
16	Andrew Ganting		Salary and expenses, Feb. 9 to 29					
19	James Law	Deputy	Salary and expenses, Feb. 29					

REPORT OF THE BUREAU OF ANIMAL INDUSTRY.

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ar. 19	D. E. Salmon	Deputy		12.60
19	Peter Girth	do	Salary and expenses, Feb. 15 to 29	41.21
19	J. J. Clarke	do	do	2.45
19	Patrick Buckley	do	do	4.20
19	Thos. Lenihan	do	do	1.42
19	Hoole Manufacturing Co.	New York	do	57.69
20	H. W. Rowland	do	do	1.42
20	H. D. Gill	New York	Tags	75.00
23	A. S. Barnes & Co.	do	Salary and expenses, Feb. 7 to 29	111.60
23	Glascon & Bailey Mfg. Co	do	do	50.60
23	Wm. H. Mook	Hudson County	Stationery, etc	101.10
24	H. Feinberg <i>et al.</i>	do	Master pump	33.02
24	H. W. Brickwell <i>et al.</i>	do	Salary and expenses, Feb. 7 to 29	101.10
24	do	do	do	137.36
24	do	do	49 animals	35.00
24	do	do	94 animals	3.27
24	do	do	17 animals	101.10
24	do	do	31 animals	1.210.00
24	do	do	2 animals	395.00
24	do	do	1 animal	45.00
27	Wm. Dimond	Middlesex County	Salary and expenses, Feb	159.40
			Total for month	1,363.48
				\$8,770.72
pr. 7	John Roberts	Deputy	Salary and expenses, Mar	557.68
7	A. C. Young	do	do	36.15
7	E. A. Vreeland	do	do	136.30
7	W. A. Willard	do	do	63.88
7	B. D. Phillips	Clerk	Salary and expenses, Mar	76.92
7	do	do	do	88.44
7	do	do	do	36.50
11	W. B. E. Miller	do	Salary for Mar.	85.20
11	Julius Hinselen	do	do	71.50
11	Geo. Such	do	Salary for Feb. 28 and 29.	4.62
11	Nathan Kahn <i>et al.</i>	Middlesex County	Salary and expenses, Mar	208.00
11	do	Hudson County	15 to 31.	65.38
12	E. L. Lobein	Deputy	26 animals	37.60
12	P. Buckley	do	Salary and expenses, Mar, 16 days	80.00
12	Thos. Lenihan	do	do	33.01
12	Simon Kelly	do	do	85.20
12	do	do	do	85.20
13	W. W. Curry	do	Salary and expenses, Feb. 10 to 29	54.95
16	H. Naus	Hudson County	8 animals	57.69
16	J. N. Pitcock	do	1 animal	63.05
16	Andrew Garling	do	do	3.35
19	John Mulqueeny	do	do	85.20
19	Andrew Grating	do	do	6.95
19	Peter Girth	do	do	85.20
19	H. D. Gill	do	do	3.45
19	J. J. Clarke	do	do	136.30
19	Geo. Such	do	do	122.77
20	Wm. H. Mook	Middlesex County	8 animals	85.20
21	Louis Ulrich <i>et al.</i>	Hudson County	31 animals	136.30
21	do	do	21 animals	63.45
24	Abraham Leyenthal	Bergen County	26 animals	690.00

Expended from the appropriation for 1887-88, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-	Affected cattle.	Exposed cattle.
Apr. 24	Abraham Leventhal	Bergen County	12 animals				\$240.00	
24	Joseph Uebbing	Hudson County	4 animals				90.00	\$280.00
24	do	do	8 animals					30.00
24	Wm. Naphas	Camden County	1 animal					
24	do	do	do					20.00
26	Wm. Martin <i>et al.</i>	Disinfectors		\$676.25				
26	G. Seide	Deputy		85.20	\$4.10			
26	do	do		65.98	3.85			
26	H. W. Rowland			119.20	48.00			
		Total for month	\$8,757.63	2,829.78	692.85		2,405.00	2,820.00
May 4	W. A. Willard	Clerk	Salary, Apr. 1 to 10	38.47				
4	C. Teehan	Deputy	Salary and expenses, Apr. 13 to 30	49.44	6.40			
4	R. R. Letts	do	do	49.44	6.40			
4	A. C. Young		Salary and expenses, Apr.	131.90	64.30			
4	Wm. H. Mook	do	do	131.90	46.65			
4	E. A. Vreeland	Clerk	Salary for Apr.	115.40	65.25			
4	Seneca Barker	Hudson County	1 animal	69.20				
4	Jacob Hecht	Clerk	Salary for Apr.	82.40				
5	B. D. Phillips		Salary and expenses, Apr.	115.40	82.75			25.00
7	W. W. Curry	Bergen County	59 animals					
10	H. Feinberg	do	24 animals					
10	H. Feinberg <i>et al.</i>	Salem County	10 animals					
10	Wm. M. Hancock	do	4 animals					
10	J. N. Pidcock	Hunterdon County	6 animals					
10	Nellie Conaway	Hudson County	1 animal					
10	Edward Carroll	do	do					
12	W. B. E. Miller		Salary and expenses, Apr.	200.00	81.87			
15	Andrew Rae <i>et al.</i>	Disinfectors	Salaries, Apr.	980.00				
15	Emil Mayer	Bergen County	23 animals					
17	W. Dimond		Salary and expenses, Mar.	170.30	104.71	\$70.46		635.00
17	H. D. Gill		Salary and expenses, Apr.	131.90	45.25			
17	P. J. Cash	Deputy	Salary and expenses, Apr.	52.20	8.95			
17	A. Kattenstroth	do	Salary and expenses, Apr.	57.69	3.95			
17	John Mulqueeny		Salary and expenses, Apr.	82.40	2.75			
17	Thos. Lenihan	do	do	82.40	2.15			
17	Peter Girth	do	do	82.40	8.45			
17	G. Setto	do	do	82.40	6.45			
17	J. J. Clarke	do	do	82.40	2.75			

17	P. Buckley	do	do	2.15
17	Gustav Hauser	do	Salary and expenses, Apr. 23 to 30	82.40
17	Simon Kelly	do	Salary and expenses, Apr.	2.05
17	John Roberts	do	do	32.65
17	E. L. Lobdell	Deputy	Salary and expenses, Apr., 16 days	82.40
17	Andrew Garling	do	Salary and expenses, Apr.	65.90
17	E. F. Gorman	do	Salary and expenses, Apr. 9 to 30	82.40
17	G. W. Garretson	do	do	20.20
17	Maurice Walsh	do	do	25.50
17	Bobt. Quinlan	do	do	21.75
17	J. S. Miller	do	do	6.05
17	Garret Haley	do	do	6.44
17	Wing & Evans	New York	Salary and expenses, Apr. 17 to 30	6.44
17	Bogardus & Ellaby	do	Salary and expenses, Apr. 28 to 30	3.40
17	Gleason & Bailey Manufacturing Company	do	Bleaching powder	2.25
17	A. S. Barnes & Co.	do	Sundries	.95
17	Hoole Manufacturing Co	do	do	84.69
17	Washburn Brothers	Jersey City	Tags	21.00
18	John R. Chaitin	do	Lime	6.00
18	Ferd. Heintze	Appraiser	Salary and expenses, Apr. 10 to 30	9.19
18	Henry Poynton	do	Salary and expenses, Apr. 9 to 30	75.00
18	H. W. Rowland	Deputy	Salary and expenses, Apr. 10 to 30	191.35
18	M. J. Coyle	Appraiser	Salary and expenses, Apr.	5.45
18	John E. Carr	Deputy	do	14.55
18	John Hartung	Warren County	Salary and expenses, Apr.	46.40
18	Jacob Israelson	Hudson County	do	115.40
18	Jas. Condon <i>et al.</i>	do	Salary and expenses, Apr.	53.85
18	W. Dimond	do	do	2.75
21	Julius Huelser	New York	1 animal	1.75
21	Gleason & Bailey Manufacturing Company	Hudson County	131 animals	25.00
21	W. Carroll	do	Salary and expenses, Apr.	20.00
21	A. Leiberman	do	do	1,375.00
21	G. H. Liggins <i>et al.</i>	Burlington County	1 animal	3,810.00
21	do	do	29 animals	do
21	Jervis Hines	do	64 animals	do
24	John R. Chaitin	Salem County	4 animals	do
24	Ferd. Heintze	Appraiser	5 animals	do
24	M. J. Coyle	do	1 animal	do
24	M. J. Coyle	do	Salary and expenses, May 1 to 17	4.25
24	M. J. Coyle	do	do	2.50
24	M. J. Coyle	do	do	do
24	M. J. Coyle	do	Total for month	649.47
24	M. J. Coyle	do	\$17,903.44	3,577.00
June 6	Andrew Rae <i>et al</i>	Disinfectors	4,412.07	8,192.00
7	R. R. Outcault	New Brunswick	1,662.50	do
8	W. Dimond	do	do	do
8	A. C. Young	do	do	do
8	W. H. Mook	do	do	do
8	H. W. Rowland	do	do	do

Expended from the appropriation for 1887-88, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-ous.	Affected cattle.	Exposed cattle.
1888.								
June 8	W. W. Curry		Salary and expenses, May	\$119.20	\$45.25			
	E. L. Lohlein		Salary and expenses, May	100.00	40.13			
	Julius Huelsen		20 days.	119.20	8.15			
	G. W. Garretson	Deputy	Salary and expenses, May	85.20	37.15			
	E. F. Gorman	do	do	85.20	35.10			
	J. J. Clarke	do	Salary and expenses, May	65.93	4.15			
	Gustav Hauser	do	1 to 24	65.93	3.65			
	P. Buckley	do	do	65.93	2.55			
	J. C. Cair	do	do	65.93	2.80			
	B. D. Phillips	Clerk	Salary for May	85.20				
	Senecca Barker	do	do	71.60				
	C. D. Noonan	do	do	216.00	\$2.00			
	W. B. E. Miller		Salary and expenses, May	136.20	56.00			
	H. D. Gill		do	85.20	57.10			
	John Roberts	Deputy	do	119.20	46.05			
	J. E. A. Vreeland		do	85.20	20.15			
	Andrew Garling		do	85.20				
	A. Kattuстроth		do	85.20				
	Simon Kelly		do	85.20				
	Henry Poynt		do	85.20				
	C. Teehan		do	85.20				
	R. R. Letts		do	85.20				
	P. J. Carlin		do	85.20				
	M. Walsh		do	85.20				
	G. Seide		do	85.20				
	Peter Girth		do	85.20				
	Garet Haley		do	85.20				
	Robt. Quinian		do	85.20				
	J. S. Miller		do	85.20				
	Thos. Lenihan		do	85.20				
	John Mulqueeny		do	85.20				
20	The Gutta-Percha and Rubber Manufacturing Company	New York	Valves.	2.95	\$1.25			
30	D. E. Salmon		Expenses, May 12 and June 5		3.92			
			Total for month	\$6,077.01				
				5,060.02	924.19	92.80		
				82.40				
July 6	B. D. Phillips	Clerk	Salary for June					
6	Senecca Barker	do	do					
6	C. D. Noonan	do	do					
9	Andrew Rae et al	Disinfectors	Salaries, June					

9	E. A. Vreeland	Deputy	115.40	Salary and expenses, June
9	E. F. Gorman	do	82.40	43.70
9	H. W. Rowland	do	50.00	19.75
9	C. Teehan	do	35.71	6.31
9	John Mulqueeny	do	35.71	2.90
9	G. Seide	do	35.71	3.20
9	P. Carlin	do	35.71	2.83
9	Henry Poynton	do	10.99	3.75
9	H. D. Gill	do	19.75	19.75
9	W. H. Mook	do	57.14	19.75
9	E. L. Loblein	do	25.00	10.45
9	Thos. Lenihan	do	35.71	2.90
9	W. W. Curry	do	115.40	45.25
9	John Roberts	do	82.40	49.55
9	G. W. Garrison	do	82.40	29.20
9	Boalt, Quinan	do	82.40	22.40
9	Simon Kelly	do	82.40	17.05
9	Andrew Garling	do	82.40	16.40
9	Peter Girth	do	82.40	12.55
9	A. Kattenstroth	do	82.40	12.55
9	R. R. Letts	do	82.40	12.21
9	Garret Haley	do	82.40	7.10
9	Jas. S. Miller	do	82.40	4.50
9	Maurice Walsh	do	35.71	3.30
10	A. C. Young	do	131.90	73.55
10	W. Dimond	do	164.80	128.05
10	Julius Huelson	do	115.40	8.55
10	W. B. E. Miller	do	48.00	28.72
14	Washburn Bros.	Jersey City	do	79.50
			Total for month	118.79
			\$3, 116.41	660.49
			2, 337.13	118.79
Aug. 20	A. S. Barnes & Co.	New York	\$44.05	24.00
20	Gleason & Bailey Mfg. Co.	do	208.00	73.75
25	Peter Taylor	Jersey City	40.00	14.50
			208.00	83.73
			Grand total	16.15
			\$57, 859.84	5, 963.67
			20, 595.39	1, 869.78
				\$10, 786.00
				\$18, 653.00

PENNSYLVANIA.

1887.	W. H. Rose	Stationery, May	\$44.05	24.00	20.05	
Dec. 8	James Law	Sundries, May	do	3.15	3.00	
12	M. R. Trumbower	Janitor's services, June	do	3.00		
		Total for month	\$16.15		16.15	
		Grand total	57, 859.84	5, 963.67	1, 869.78	\$10, 786.00
						\$18, 653.00

Expended from the appropriation for 1887-'88, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 7	James Law.....		Salary and expenses, Dec. 20 to 21.....	\$40.00	\$11.50	\$0.40		
11	M. R. Trumbower.....		Salary and expenses, Dec.....	216.00	39.40			
11	W. H. Rose.....		do.....	208.00	27.80			
			Total for month.....	464.00	78.70	.40		
Feb. 7	W. H. Rose.....		Salary and expenses, Jan.....	200.00	65.66			
	M. R. Trumbower.....		do.....	200.00	74.90			
			Total for month.....	400.00	140.56			
Mar. 5	W. H. Rose.....		Salary and expenses, Feb.....	192.00	29.45			
8	M. R. Trumbower.....		do.....	200.00	59.76			
31	Daniel G. Hatch.....	Clerk.	Salary, Mar. 24 to 31.....	26.37				
			Total for month.....	418.37	89.21			
Apr. 7	M. R. Trumbower.....		Salary and expenses, Mar.....	208.00	9.69			
7	W. H. Rose.....		do.....	216.00	4.06			
11	Wm. S. Devoe.....		Salary and expenses, Mar. 27 to 31.....	27.47	18.20	42.28		
12	Daniel G. Hatch.....	Clerk.	Expenses, Mar. 29 to 31.....		9.55			
12	do.....	do.....	Expenses, Apr. 1 to 5.....		10.70			
14	Norman J. Colman.....		Expenses, Apr. 7 to 8.....		14.00			
21	G. Bowers.....		Philadelphia County.....					\$135.00
21	do.....	do.....	5 animals.....					
30	The Gutta-Percha and Rubber Manufacturing Company.....	New York.....	4 animals.....					
30	do.....	do.....	Sundries.....					
30	Hollingsworth & Peterson.....	Philadelphia.....	do.....					
30	Hooke Manufacturing Co.....	New York.....	Chloride lime.....					
30	Geo. Spencer & Co.....	Philadelphia.....	Tags.....					
30	Joe H. Mann.....	do.....	Office furniture.....					
30	Bogardus & Ellaby.....	New York.....	Stationery.....					
			Sundries.....					
			Total for month.....	451.47	75.20	400.39	97.00	135.00
May 4	Daniel G. Hatch.....	Clerk.	Salary for Apr.....	108.24				
4	W. A. Willard.....	do.....	Salary and expenses, Apr. 11 to 30.....	76.93	21.87			
5	W. A. Swayne.....		Office rent, Apr.....					
5	Gleason & Bailey Mfg. Co.....		Master pump.....					
	Harvey Ostrand & others.....		Salaries, Apr. 19 to 30.....					
			Disinfectors, etc.....					
				152.29				

7	W. H. Rose	Deputy	Salary and expenses, Apr. 12 to 30	200.00
7	Isaac Brown	do	52.20	6.59
7	Daniel Scull	do	46.70	3.34
7	J. J. Owens	do	49.45	4.56
7	J. M. Monks	do	46.70	2.29
7	J. J. Treston	do	21.98	1.47
7	Jas. McDermott	do		
7	A. J. Fricke	do		
7	Geo. W. Schwartz	do		
7	Andrew J. Daymon	do		
7	do	do		
8	W. H. Janney	Deputy	Salary and expenses, Apr. 13 to 30	4.59
8	Henry Morse	do	49.45	2.87
8	J. J. Hartman	do	46.70	3.34
8	C. L. Hartman	do	19.23	1.57
8	J. J. Matthews	do	46.70	2.77
8	J. J. Herron	do	46.70	4.20
8	J. J. Eberhardt	do	38.46	3.16
8	M. J. Barry	do	57.69	4.57
8	Wm. T. Fallon	do	200.00	47.29
8	J. B. Shannon & Sons	Philadelphia	Salary and expenses, Apr. 12 to 30	41.00
10	A. O. Drane	Deputy	Salary and expenses, Apr. 12 to 30	52.20
10	Wm. S. Devos	do	49.45	4.74
12	Chas. E. Bridge	do	49.45	4.91
12	B. W. Hickman	do	46.70	4.20
12	Jas. T. Ross	do	46.70	3.50
12	Edgar Martin	do	46.70	3.07
12	R. G. Webster	do	46.70	2.67
12	W. B. Montgomery	do		
14	Geo. W. Bean	do		
15	Chas. Raff	do		
18	Gleason & Bailey Manufacturing Company	New York	Master pump, etc.	18.00
18	Francis Bridge	Philadelphia County	Salary and expenses, Apr., 13 days	28.75
19	Rosina Ley <i>et al.</i>	do	8 animals	234.00
19	do	do	9 animals	246.00
22	Chas. Fisher	Philadelphia	1 animal	18.00
22	Hollingsworth & Peterson	do	Chloride lime	
23	do	do	do	24.05
23	D. G. Hatch	Clerk	Expenses, Apr. 8 to May 8	23.03
26	A. Zimmerman <i>et al.</i>	Philadelphia County	8 animals	61.41
26	do	do	27 animals	183.00
			Total for month	603.00
			\$5,120.00	
			2,448.87	309.05
				251.08
				861.50
				1,249.50
June 5	W. H. Rose	do	208.00	6.41
5	Wm. S. Devos	do	208.00	2.13
5	W. A. Willard	do	119.20	11.37
5	D. G. Hatch	do		
				28.88
				119.20
				Salary for May

Expended from the appropriation for 1887-'88, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.				\$46.00		\$50.00 54.89 104.70		
June 5	C. Moffatt	Clerk Philadelphia	Salary for May					
	W. A. Swayne	do	Office rent					
5	Jos. H. Mann	do	Stationery					
5	J. B. Shannon & Son	do	Sundries					
5	Wm. T. Fallon	Deputy	Salary and expenses, May	85.20		\$9.17		
5	T. A. Maher	do	do	85.20		9.70		
5	Henry Morse	do	do	85.20		9.22		
5	Irvine & Garry	Philadelphia	Lime, etc					
5	Martin Fertig	Philadelphia County	1 animal					
5	do	3 animals						
6	John J. Owens	Deputy	Salary and expenses, May	85.20		5.12		
6	J. J. Matthews	do	Salary and expenses, May, 30 days	82.42		6.59		
6	M. J. Barry	do	Salary for May	85.20				
6	Isaac Brown	do	Salary and expenses, May, 24 days	65.93		6.77		
6	Chas. A. Kelly	do	Salary and expenses, May, 5 days	13.74		2.07		
6	do	do	Salary and expenses, Apr., 2 days	5.49		86		
6	A. J. Fricka	do	Salary and expenses, May	85.20		14.57		
6	Daniel Scoll	do	do	85.20		11.32		
6	J. J. Eberhardt	do	do	85.20		9.20		
6	C. L. Hartman	do	do	85.20		8.26		
6	Jas. McBernoff	do	do	85.20		9.01		
6	W. H. Jannay	do	do	85.20		7.62		
6	Geo. Carter	do	do	85.20		6.07		
6	J. B. Treston	do	do	85.20		6.07		
6	J. B. Herron	do	do	85.20		1.95		
6	T. F. O'Brien	do	do	54.95		4.99		
6	Harvey Ostander <i>et al.</i>	Disinfectors	Salary and expenses, May	450.20				
7	A. O. Drane	Deputy	Salary and expenses, May, 30 days	82.42		5.02		
7	J. R. Tatton	do	do	82.42		6.34		
7	Goo. W. Beon	do	do	85.20		10.62		
7	J. M. Monks	do	do	85.20		14.57		
15	Harvey Ostander <i>et al.</i>	Disinfectors	Salaries, June 1 to 11	157.22				
19	M. J. Barry	Deputy	Salary and expenses, June 1 to 9	24.73		1.57		
8	E. Sautman	do	Salary and expenses, May	85.20		5.57		
19	J. M. Monks	do	Salary and expenses, June 1 to 9	24.73		4.69		
19	Francis Bridge	do	Salary and expenses, May, 11 days	88.00		5.97		
19	Hooke Manufacturing Comp'y	New York	Tags					
19	Hollingsworth & Peterson	Philadelphia	Chloride lime					
19	do	do	do					
19	Bogart, Ellaby & Ellsworth	New York	Log rings					
20	W. L. Montgomery	do	Salary and expenses, May	136.20		15.07		

Expended from the appropriation for 1887-88, by States—Continued.

PENNSYLVANIA—Continued

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
July 14	W. B. Montgomery		Salary and expenses, June 1 to 9	\$39.56	\$5.45			
18	Francis Bridge		Salary and expenses, June, 9 days	72.00	11.89			
			Total for month	\$3,592.44	2,902.06	\$38.49	\$103.89	\$34.00
								\$214.00
Aug. 10	Wm. M. Buckman	Philadelphia	Lime, Apr. to June				53.25	
27	Wm. S. Devoe		Sundries, Apr. to June				12.19	
			Total for month	\$65.44				
							65.44	
Sept. 8	D. E. Salmon		Expenses, June 20	\$7.85				
			Grand total	\$17,722.86	12,084.32	1,692.50	1,255.04	1,012.50
								1,678.50

MARYLAND.

1887.	H. Nordhoff <i>et al.</i>	Baltimore County	Disbursed to Nov. 30	\$57,835.32	8,640.62	3,842.10	593.70	7,235.91	37,522.99
Dec. 3	do	29 animals						611.00	1,010.24
3	do	40 animals						8.00	
3	H. Buddemier	1 animal							30.30
3	do	do							15.00
3	J. H. Jones	Anne Arundel County							
3	John Shepherd	do							
3	Alex. Yearley	Baltimore	Office rent				12.50	10.00	
3	Geo. C. Farville		Salary and expenses, Nov				14.32		
7	F. W. Patterson		do						
7	C. K. Dyer		do						
7	Albert Hassall		do						
7	E. C. Schroeder		do						
7	W. S. Devoe		do						
7	A. D. Melvin		do						
7	A. W. Clement		Salary for Nov						
7	Carroll Bissell <i>et al.</i>		Deputies, appraisers, etc.						
7	David Holland <i>et al.</i>		Disinfectors						
8	Clayton M. Enrich	Baltimore County	Baltimore County						
8	do								
8	Jas. A. McDevitt		Salary and expenses, Nov						
12	John J. Thomsen	Baltimore	Chloride of lime						

Expended from the appropriation for 1857-'88, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Jan. 18	C. J. Stewart & Sons	Baltimore	Sundries.		\$102.76			
18	Wm. K. Bosie & Son	do	Permit books		40.00			
19	Caplin & Fulton	Baltimore County	Locks and chain		70.00			
21	Christian Heisler	do	24 animals					\$818.22
21	C. C. Prather <i>et al.</i>	do	16 animals					
23	John McDado <i>et al.</i>	Deputies	Expenses, Nov	\$1,133.47	19.92			
23	Lorenz Weinbreck <i>et al.</i>	do	Salaries and expenses, Dec		165.44			
24	do	Baltimore County	24 animals					
24	do	do	10 animals					
24	Arthur P. Forsyth	Howard County	1 animal					
			Total for month	\$11,222.74	3,851.79	952.89	384.06	1,523.44
Feb.								
6	Wm. Wade <i>et al.</i>	Deputies, etc.	Salaries, Jan.	1,160.13				
6	D. Holland <i>et al.</i>	do	do	395.70				
6	G. C. Faville	Disinfectors	Salary and expenses, Jan	208.00				
6	Albert Hassall	do	do	136.30				
6	A. D. Melvin	do	do	170.30				
6	W. H. Martenet	do	do	136.30				
6	C. K. Dyer	do	do	136.30				
6	Wm. S. Devoe	do	do	170.30				
6	A. W. Clement	do	do	170.30				
6	S. A. Mitchell	Deputy	do	85.20				
6	Wm. Hardy	do	do	85.20				
6	O. J. Gaver	do	do	85.20				
6	W. S. Givore	Appraiser	do	85.20				
6	Carroll Ensor	Deputy	do	85.20				
6	David Riley	do	do	85.20				
6	L. A. McDaniel	do	do	85.20				
6	J. F. Davis	do	do	85.20				
6	E. C. Schroeder	Deputy	do	85.20				
6	Daniel Keller	Appraiser	do	85.20				
6	W. E. Zimmerman	Deputy	do	85.20				
6	H. C. Rohr	do	do	85.20				
6	Thos. A. Hays	do	do	85.20				
7	C. R. Perdue	do	do	85.20				
7	Thos. B. Gatch	do	do	85.20				
7	F. W. Patterson	do	do	85.20				
9	Wm. K. Doyle & Son	Baltimore	Record-book					10.00
9	John J. Thomesen	do	Chloride of lime					32.64
9	W. E. Zimmerman	do	Line					24.00
18	Nathan Haas <i>et al.</i>	Baltimore County	9 animals					238.10

Expended from the appropriation for 1887-88, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Apr. 5	C. C. Prather <i>et al.</i>	Deputies, etc	Salaries, Mar	\$1 093.90				
	D. Holland <i>et al.</i>	Disinfectors	do	395.70				
	A. D. Melvin		Salary and expenses, Mar	170.30				
7	C. K. Dyer		do	136.30				
7	Albert Hassall		do	196.30				
7	W. H. Marionell		do	186.30				
7	F. W. Patterson		Salary and exp., Mar. 1 to 17 and 28 to 31	80.75				
7	Daniel Keller	Deputy	Salary and expenses, Mar	85.20				
7	E. C. Schroeder		do	85.20				
7	John F. Davis	Deputy	do	85.20				
7	Thos. B. Gatch		do	85.20				
7	H. C. Rohr		do	85.20				
7	Carroll Ensor		Salary and expenses, Mar	85.20				
7	Daniel R. Hoffman		Salary and expenses, Mar., 5 days	85.20				
7	W. S. Brooke	Appraiser	Salary and expenses, Mar	16.48				
7	W. E. Zimmerman	Baltimore County	Salary and expenses, Mar	102.20				
9	Louis Keifer <i>et al.</i>	Baltimore County	51 animals					
9	do		77 animals					
9	H. F. Hill	Kent County	32 animals					
9	do		20 animals					
11	W. E. Zimmerman		Salary and expenses, Mar	102.20				
11	Thos. A. Hays		do	85.20				
11	David Riley		do	85.20				
11	W. Hardy		do	5.16				
11	Wm. S. Devoe		Salary and expenses, Mar., 1 to 26	142.83				
11	L. A. McDaniel		Salary and expenses, Mar	85.20				
11	John McDade		do	35.50				
11	Thos. D. O'Keefe <i>et al.</i>	Baltimore County	5 animals					
11	do		40 animals					
11	E. Malonee		1 animal					
11	do		38 animals					
13	Otho Gaver	Deputy	Salary and expenses, Mar	85.20				
13	do	do	Expenses, Feb					
13	A. W. Clement		Salary and expenses, Mar	110.30				
13	G. C. Paville			224.00				
13	Geo. Wolf	Baltimore County	11 animals					
13	C. J. Stewart & Sons	Baltimore County	Tags, etc					
16	John Hillier		12 animals					
16	do		3 animals					
19	Fred Kafor		2 animals					
19	do		13 animals					

121	John Schmidt	do	4.00
121	Gleson & Bailey Mfg. Co	New York	
122	C. R. Perdue	Deputy	75.00
123	Wm. K. Boyle & Son	Baltimore	15.50
123	Jannay & Conget	do	60.00
126	Wm. K. Boyle & Son	do	
130	Total for month	\$13, 345.83	5, 939.38
	Salaries, Apr	4,015.16	
	Salaries and expenses, Apr	996.86	
	do	296.39	
	do	2,098.04	
	do	5, 939.38	
1	J. B. Trull <i>et al.</i>	Clerks and deputies	
1	G. C. Farville	do	
4	A. D. Melvin	do	
4	W. E. Zimmerman	Appraiser	
4	L. A. McDaniel	Deputy	
4	C. K. Dyer	do	
4	Thos. A. Hays	do	
4	Ortho J. Gaver	do	
4	C. R. Perdue	do	
4	J. F. Riddonosier	Baltimore	
4	John J. Thomsen	do	
4	D. Holland <i>et al.</i>	Disinfectors	
4	Geo. Bartholow <i>et al.</i>	Baltimore County	
4	do	do	
5	D. R. Hoffman	Deputy	
5	Daniel Keller	do	
5	J. F. Davis	do	
5	Thos. B. Gatch	do	
7	W. H. Martent	do	
7	W. S. Brooke	Appraiser	
7	W. H. Wray	do	
7	Theodore Merling	Baltimore County	
10	Albert Hassall	do	
10	Jas. A. Walrath	do	
10	Ed. C. Schroeder	do	
10	Jas. F. Ryder	do	
10	W. E. Zimmerman	Baltimore	
10	C. J. Stewart & Sons	do	
10	Alex. Yearley & Son	do	
10	do	do	
10	Wm. K. Boyle & Son	do	
10	A. W. Clement	do	
10	John L. Gable	do	
12	Wm. Hardie	do	
17	F. W. Patterson	do	
17	John J. Thomsen	Baltimore	
17	Henry Nordhoff	Baltimore County	
17	Mary Clay <i>et al.</i>	do	
17	J. Regerster & Sons	do	
18	W. S. Dvoros	Baltimore	
19	P. F. Fannery	Baltimore County	
19	Julius Wolf	do	
	Total for month	1,318.94	
	Salaries and expenses, Apr	260.00	
	do	164.80	
	do	98.90	
	do	82.40	
	do	131.90	
	do	82.40	
	do	82.40	
	do	63.00	
	do	35.40	
	do	436.40	
	do	436.40	
	do	82.40	
	do	82.40	
	do	131.90	
	do	98.90	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
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	do	72.00	
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	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
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	do	54.38	
	do	82.40	
	do	35.16	
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	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
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	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
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	do	35.16	
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	do	82.40	
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	do	54.38	
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	do	35.16	
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	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
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	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do	181.90	
	do	54.38	
	do	82.40	
	do	35.16	
	do	72.00	
	do		

Expended from the appropriation for 1887-'88, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888, May 19	Aug. Schmidt <i>et al.</i> Wm. K. Boyle & Son.	Baltimore County Baltimore	2 animals Record books, etc.	\$4,138.28	\$68.50	301.96	\$1,032.30	\$54.10
June 4	D. Holland <i>et al.</i>	Disinfectors	Salaries, May	430.20	.....	.....	.....	.....
4	J. B. Trull <i>et al.</i>	Clerks and deputies	do	1,190.67	46.50	.....	.....	.....
4	W. H. Martenot.	.....	Salary and expenses, May	136.20	102.15	.....	.....	.....
4	Jas. F. Ryder	.....	do	136.20	78.50	.....	.....	.....
4	D. R. Hoffman	.....	do	102.20	68.50	.....	.....	.....
4	Daniel Keller	Deputy	do	102.20	68.50	.....	.....	.....
4	L. A. McDaniel	do	do	85.20	36.95	.....	.....	.....
4	John F. Davis	do	do	85.20	32.12	.....	.....	.....
4	Thos. A. Hays	do	do	85.20	32.10	.....	.....	.....
4	Thos. B. Gatch	do	do	85.20	31.85	.....	.....	.....
4	Wm. S. Brooke	Appraiser	do	102.20	3.55	.....	.....	.....
4	S. A. Mitchell	Appraiser	do	85.20	4.38	.....	.....	.....
4	John McDade	Deputy	do	85.20	4.70	.....	.....	.....
4	J. T. Parsons	do	do	85.20	4.10	.....	.....	.....
4	Carroll Ensor	do	do	85.20	3.20	.....	.....	.....
4	W. E. Zimmerman	Appraiser	do	102.20	31.35	54.00	.....	.....
4	Alex. Yearley & Son	Baltimore	Lime Office rent	.....	.....	12.50	.....	.....
5	Geo. C. Faville	do	Salary and expenses, May	280.00	90.39	7.77	.....	.....
5	A. D. Melvin	do	do	170.40	84.50	.....	.....	.....
5	J. A. Walrath	do	Salary for May, 23 days	153.40	75.33	.....	.....	.....
5	W. H. Wray	do	Salary and expenses, May	184.00	.....	.....	.....	.....
5	E. C. Schroeder	Deputy	do	85.20	82.59	.....	.....	.....
5	C. R. Perdue	do	do	85.20	12.80	.....	.....	.....
5	O. J. Gaver	do	do	85.20	10.00	.....	.....	.....
5	Wm. Hardey	do	do	85.20	2.15	.....	.....	.....
5	A. W. Clement	do	do	170.40	85.25	.....	.....	.....
5	Albert Hassall	do	do	136.20	84.94	.....	.....	.....
5	N. Regerster <i>et al.</i>	Baltimore County	20 animals	.....	.....	.....	.....	528.10
5	N. Regerster	do	1 animal	.....	.....	.....	.....	39.66
7	Boft. S. Forbes	Expenses, June 6	.....	.....	.....	3.50	.....	.....
8	C. K. Dyer	Salary and expenses, May	136.20	82.90	.....	.....	.....	.....
8	E. W. Patterson	do	119.20	52.25	.....	.....	.....	.....
13	H. C. Rohr	Deputy	do	83.20	60.50	.....	.....	.....
12	C. J. Stewart & Sons	Baltimore	Sundries	98.92	15.70	.....	.....	.....
15	C. C. Prather <i>et al.</i>	Deputies	Salaries, June 1 to 9	.....	.....	.....	.....	.....

19	Wm. E. Zimmerman	Appraiser	20.67	Salary for June 1 to 9
19	Wm. S. Brooke	do	29.67	Salary and expenses, June 1 to 9
19	O. J. Gaver	do	24.73	1.90
19	John McDade	do	24.73	15.10
19	P. F. Flannery	Baltimore	24.73	2.00
19	J. J. Thomsen	do		4.00
21	L. A. McDaniel	Deputy	24.73	37.77
23	Wm. Hardley	do		
30	D. Holland <i>et al.</i>	Deputy	24.73	
30	Geo. C. Faville	Disinfectors	149.90	
30	John F. Davis	do	270.00	
30	Thos. B. Gatch	Deputy	82.40	
30	Thos. A. Hays	do	82.40	
30	C. R. Perdue	do	82.40	
30	J. B. Hampsher	do	82.40	
30	J. T. Parsons	do	82.40	
30	D. E. Satton	do	82.40	
30	J. A. Warath	Expenses, Mar. 20	148.30	
30	F. W. Patterson	Salary and expenses, June	116.40	
30	D. R. Hoffman	do	109.01	
30	Jas. F. Ryader	do	98.90	
30	A. W. Clement	do	131.90	
30	W. H. Martinet	do	164.80	
30	J. B. Trull <i>et al.</i>	Clerks and deputies	131.90	
		Salaries, June	50.75	
		Total for month	827.30	
July	Albert Hassall	Salary and expenses, June	1,833.76	136.24
6	C. K. Dyer	do	131.90	39.66
6	A. D. Meivin	do	164.80	52.10
6	Daniel Keller	do	98.90	
6	Alex. Yearley & Son	Deputy	98.90	
7	Wm. S. Devos	Baltimore	8.00	
10	E. C. Schroeder	do	82.40	
9	H. C. Rohr	Deputy	82.40	
10	W. H. Wray	Deputy	200.00	
10	Wm. O'Neal	do	82.40	
12	C. J. Stewart & Sons	do	3.60	
19	P. F. Flannery	Baltimore	82.40	
19	Ches. & Pot. Tel. Co.	do	4.00	
26	Jas. A. Windham	Montgomery County	25.00	
		Total for month	982.70	423.31
		Grand total	40,471.65	11,808.74
			\$132,912.40	2,611.53
				18,132.11
				59,888.37

Depended from the appropriation for 1887-'88, "by States—Continued.

SINTON

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneouos.	Affected cattle.	Explosive cattle.
1887.			Disbursed to Nov. 30	\$43,941.03	\$24,370.46	\$1,229.13	\$2,749.05	\$1,621.65
Dec. 2	John P. Bond		Salary and expenses, Nov	208.00	8.55			
2	N. H. Paaren		do	208.00	5.35			
2	Sidney Shephard		Salary for Nov	122.20				
3	Christ. Leonhardt <i>et al.</i>		5 animals					84.55
7	Tbos. J. Herr		Salary and expenses, Nov	208.00	7.35			
7	Jas. Anderson		do	130.40	8.05			
7	Bower Talbot		do	208.00	40.25			
7	Jno. Casewell		do	1,457.70				
7	Geo. Carter <i>et al.</i>		Deputies and disinfectors					
9	Fuller & Fuller Co		Chicago					
9	Keen & De Lang		do					
9	H. Rice & Son		do					
9	Gutta-Percha, and Rubber Manufacturing Co.		do					
12	John Tierney		Disinfecter					
12	David Holland		do					
14	E. A. Rice <i>et al.</i>		Disinfectors					
16	Margaret Sullivan		Cook County					
16	Chas. Reitz <i>et al.</i>		do					
21	A. Pollak		do					
21	The Off. Toilet Supply Co		Chicago					
			Total for month	\$3,293.01	2,877.80	63.55	163.19	182.47
1888.			Salary and expenses, Dec					
Jan. 7	Bower Talbot		do		224.00	40.25		
7	John Casewell		Deputies		216.00		33.25	
10	Geo. Carter <i>et al.</i>		Cook County		252.60			81.27
12	August Eglebong		4 animals					
13	Bower Talbot		Sundays, July 31 to Dec. 18		96.00			
13	Wm. J. Watt		Salary, Dec. 1 to 10		36.00			
16	John P. Bond		Salary and expenses, Dec. 1 to 7		48.00	2.10	9.75	
19	August Eglebong		Disinfecting, etc.				45.34	
30	Gutta-Percha, and Rubber Manufacturing Co.		Rubber hose, etc.					
			Total for month	\$1,084.56	872.60	42.35	88.34	81.27
Feb.			Salaries, Jan					
2	Geo. Carter <i>et al.</i>		do		255.60			
7	Bower Talbot		Salary and expenses, Jan		248.00	40.25		
7	John Casewell		do		208.00	7.50	29.40	136.08
8	P. Sircenit <i>et al.</i>		2 animals					
8	L. Breiden <i>et al.</i>		2 animals					20.43

Expended from the appropriation for 1887-'88, by States—Continued.

VIRGINIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscella-neons.	Affected cattle.	Exposed cattle.
1888.	Jas. A. Walrath.	Elizabeth City County.	Salary and expenses, Mar. 29 animals	\$153.30	\$9.10			
Apr. 7	Hampton Normal and Agricultural Institute.	do	10 animals					\$270.00
7	do	Hanover	Sundries			\$19.25	\$184.00	
14	Albert Hove.	Norfolk County	1 animal					20.00
14	James McDermid	do	Total for month.	\$605.65	153.30	9.10	134.00	290.00
May 10	Jas. A. Walrath.	Elizabeth City County.	Salary and expenses, Apr. 1 to 9	93.92	13.25			
June 15	Wm. H. Daggs.	do	1 animal					40.00
15	Wm. Tyson	do	Total for month.	\$60.00			20.00	
			Grand total	\$2,778.23	1,014.28	364.40	19.65	739.00
								641.00

TEXAS.

1888.	T. T. D. Andrews	Disbursed to Nov. 30	\$1,077.92	772.22	205.70			
Jan. 13	do	Salary and expenses, Nov.		112.50	8.00			
13	do	Salary for Dec.		127.17				
		Total for month.	\$247.67	239.67	8.00			
Feb. 18	do	Salary for Jan.		128.57				
Mar. 9	do	Salary for Feb.		143.40				
June 20	Geo. S. Williamson	Salary for Apr. 18 to 30		64.29				
20	do	Salary for May		153.40				
		Total for month		217.69				
July 18	do	Salary for June		148.30				
		Grand total	\$1,903.55	1,649.85	313.70			

Expended from the appropriation for 1887-'88—Continued,

INVESTIGATIONS.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1887.			Disbursed to Nov. 30			
Dec. 3	H. J. Ruppert		Rent for Nov	\$5,561.05	\$5,071.72	\$457.19
5	C. H. Dana		Rent for Nov	41.66		
5	D. W. Kolle, Jr		Rabbit labels	10.00		
5	E. B. Markham		Rabbits	12.00		
6	H. M. Taylor		Pigs	9.00		
6	H. M. Taylor	do	Salary for Nov		260.00	
8	Theobald Smith		Sundries		3.16	
9	T. Talbert's Sons		Clover hay		24.51	
10	F. L. Kilbourn		Sundries		22.91	
12	Bullen & McKeever		Pigs		7.00	
12	Geo. W. Knst		Salary for Nov		145.80	
12	R. M. Bell		Salary and expenses, Oct.		204.76	
12	do		Animals and expenses, Nov.		184.37	
14	L. Schmid & Sons		Pigs		32.40	
17	Wm. Mason		Salary for Nov		21.00	
20	Alfred Burnett		Expenses, Dec. 14		208.00	
21	E. W. Perry		Repairs to pump		2.70	
21	Theobald Smith		Calf		4.75	
24	Jno. A. Butler		Expenses for Nov.		6.33	
27	Bullen & McKeever	do	Salary for Dec.		180.80	
28	H. M. Taylor	do	do		151.60	
31	Theobald Smith		do		134.80	
31	F. L. Kilbourn		do		134.80	
31	Cooper Crittice		do		75.80	
31	V. A. Moore		do		60.60	
31	Wm. Alexander		do		50.50	
31	Wm. E. Mundell		Oxy. hyd. jet, etc		13.50	
31	Jas. W. Queen & Co		Rent for Dec.		41.66	
31	H. J. Ruppert		Pigs		6.00	
31	E. B. Markham		Turnips		5.00	
31	Biech, F. Grimes		Sundries		74.75	
31	Z. D. Gihman		Total for month		966.43	1,181.72
1888.			Pigs		37.50	
Jan. 4	H. R. Dement		Sundries		26.83	
7	L. H. Hopkins	do	Reental, Oct. to Dec.		35.94	
7	Chesapeake & Potomac Telephone Co	do	Salary for Dec		216.00	

Expended from the appropriation for 1887-'88—Continued.

INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
Jan. 6	H. M. Taylor		Salary for Dec.			
9	do	For experimental station	Expenses for Dec.			
10	D. W. Koibe, Jr.		Rabbits	\$12.00	\$270.00	
	Hutchins & Betz		Sundries	28.15	109.75	
12	Geo. W. Rust		Salary for Dec.			
18	L. Moxley		Hyd. and oxy. gas	12.60	151.60	
20	A. M. Farrington		Expenses, fan, 12 to 14			
25	W. M. Galt & Co.		Feed, etc.	3.87	\$10.25	
25	Jno. A. Butler		Repairing pump	3.00		
26	E. L. Kilborne		Sundries	30.30		
28	John Reynolds & Co.		Instruments	34.88		
30	Library Bureau		Cards	8.55		
31	Theobald Smith		Salary for Jan.	153.30		
31	F. L. Kilborne		do	136.30		
31	Cooper Cartice		do	136.30		
31	V. A. Moore		do	102.20		
31	Wm. Alexander		do	61.30		
31	W. E. Mundell		do	51.10		
31	W. R. Scholl		do	46.15		
			Total for month	1,272.27	747.35	10.25
Feb.	D. W. Koibe, Jr.		Rabbits	9.00		
2	R. M. Bell		Salary and expenses, Dec.			
2	H. J. Ruppert		Rent for Jan.	41.66	238.95	
2	Wm. H. Bann		Coal	13.75		
6	H. M. Taylor		Salary for Jan.			
9	Geo. W. Rust		do		260.00	
13	T. Talbott's Sons		Clover hay	19.83	153.30	
14	Bullen & McKeever		Pigs	10.00		
18	R. A. McLean		Investigating disease, Vermont			
18	H. M. Taylor		Expenses, Jan.			
28	Theobald Smith		Sundries, Dec., Jan., Feb.	5.19		
29	do		Salary for Feb.	143.40		
29	F. L. Kilborne		do	127.40		
29	Cooper Cartice		do	127.40		
29	V. A. Moore		do	95.60		
29	Wm. Alexander		do	57.40		
29	W. E. Mundell		do	47.80		
29	Wm. R. Scholl		do	47.80		
			Total for month	746.23	775.40	45.91

Expended from the appropriation for 1887-'88—Continued.

INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
May 2	H. J. Ruppert	For experimental station	Bent for Apr	\$41.66	\$250.00	
5	H. M. Taylor		Salary for Apr		212.65	
8	R. M. Bell		Salary and expenses, Feb		148.30	
10	Geo. W. Rust		Salary for Apr			
11	L. Pennington		Salary for May, 3½ days	5.25		
11	F. L. Kilborne		Sundries	9.90		
15	H. M. Taylor		Expenses, Apr		130.46	
16	S. J. Meeks		Repairs, etc	9.25		
17	R. M. Bell		Salary and expenses, Apr			141.63
17	E. Jackson		Harness, etc	7.00		
21	Bullen & McKeever		Lambs	30.51		
24	Z. D. Gilman		Sundries	98.50		
25	L. H. Hopkins		do	44.78		
29	Rabt. Leitch & Sons		Repairs, etc	15.95		
31	Theobald Smith		Salary for May		152.40	
31	Cooper Curtice		do	136.20		
31	V. A. More		do	102.20		
31	Wm. Alexander		do	61.40		
31	M. N. Barnard		do	56.00		
31	Wm. R. Scholl		do	51.00		
31	F. L. Kilborne		do	136.20		
31	Wm. E. Mundell		do	51.00		
						1,010.40
						883.04
June 5	H. M. Taylor	For experimental station	Salary for May			270.00
6	H. J. Ruppert		Bent for May	41.66		
7	Cooper Curtice		Expenses, May, 9 and 10		17.07	
7	do		Expenses, Oct. 19	1.80		
7	do		Expenses, Dec. 21, Jan. 4, and Feb. 2	2.30		
7	F. L. Kilborne		Expenses, May and June	15.75		
8	Walter F. Hewitt		Feed	58.65		
9	Elphonzo Young		Prepared food	8.13		
11	Wm. M. Galt & Co.		Food, etc., Jan. to June		479.58	
12	Louis Schmid & Sons		Guinea pigs	9.00		
13	Geo. W. Rust		Salary for May		153.40	
20	Jas. McClelland		6½ days work	19.30		
20	Carl Zeiss		Instruments		275.28	
21	R. M. Bell		Salary for May			119.20

21	do	Expenses, Jan. to Apr.	26.75
21	L. H. Hopkins	Sundries	
22	Theo. Smith	7.00	
29	H. M. Taylor	3.28	
30	Theobald Smith	148.30	92.50
30	F. L. Kilborne	131.90	
30	Cooper Curtiss	131.90	
30	V. A. Moore	98.90	
30	Wm. Alexander	50.30	
30	M. N. Barnard	54.40	
30	W. E. Mandell	49.50	
30	Wm. R. Scholl	49.50	
30	do	49.50	
30	For laboratory	47.10	
30	For experimental station	11.25	
30	do	41.66	
30	For laboratory	2.75	
		1,765.46	661.85
		Total for month	
		Rental, Apr. to June	
		35.94	
		Salaries for June	
		260.00	
		Expenses, June 11	
		3.00	
		Expenses, June 17 and 18	
		16.89	
		Salaries for June	
		148.30	
		Expenses for June	
		163.79	
		Sundries for June	
		100.75	
		Total for month	
		79.35	672.84
		Electropin fluid, Apr.	
		1.50	
		Grand total	
		13,224.65	11,501.06
			\$725.58

Expended from the appropriation for 1887-'88—Continued.
WASHINGTON AND MISCELLANEOUS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1887.			Disbursed to Nov. 30 \$8,888.90	\$7,288.32	\$104.70	\$1,495.88
Dec. 3	Robert Leitch & Son					
7	The World, N. Y.					
8	A. S. Mercer		Chandler 130.40		18.50	30.00
8	H. H. Metcalf		Advertising 130.40		33.00	246.60
9	B. Westernmann & Co		Salary and expenses, Nov. 130.40			
16	D. E. Salmon		do 130.40			
16	do		Books 130.40			
22	Western Union Telegraph Company		Expenses, Oct. 27 to Nov. 4 130.40			
22	do		Telegrams 130.40			
22	W. B. Moses & Son		Charges, Nov. 130.40			
23	D. E. Salmon		Charges, Oct. 130.40			
31	A. M. Farrington		Office furniture 130.40			
31	Miles Fuller		Salary for Dec. 252.70			
31	W. J. Cowing		do 189.50			
31	P. L. Lyles		do 126.40			
31	Robert S. Forbes		do 151.60			
31	E. B. Jones		do 117.90			
31	Mary Sullivan		do 101.10			
31	Mary T. Dent		do 84.20			
31	I. P. Logan		do 55.60			
31	Lawyers Co-operative Publishing Co.		do 60.60			
31	V. G. Fischer		Supreme Court Digest 5.00			
			Scrap-books 15.60			
			Total for month 1,518.30		147.10	580.67
			Subscription 2,246.07			
1888.						
Jan. 3	A. L. Hammel					
7	The New York Herald					
7	do		Advertising 134.80			
7	Chesapeake & Potomac Telephone Co.		Rental, Oct. to Dec. 134.80			
10	A. S. Mercer		Salary for Dec. 134.80			
13	J. G. P. Holden		Charges, Dec. 134.80			
17	H. H. Metcalf		Advertising 134.80			
19	Western Union Telegraph Company		Salary for Dec. 134.80			
21	B. Westernmann & Co.		Charges, Dec. 134.80			
25	D. E. Salmon		Subscription 255.50			
31	Miles Fuller		Salary for Jan. 127.70			
31	A. M. Farrington		do 191.65			
31	W. J. Cowing		do 153.30			

31	P. L. Lyles	136.30
31	R. S. Forbes	119.20
31	E. B. Jones	102.20
31	E. B. Jones	85.20
31	Mary Sullivan	61.30
31	R. P. Logan	56.20
31	Mary T. Dent	..
	Total for month	273.54
	Salary and expenses, Jan. 24 to 31	1,837.69
	Stationery	1,558.15
	Salary for Jan	30.77
	Stationery	8.65
	do	4.80
	Lettering sign	..
	Books	..
	Charges, Jan.	..
	Advertising	..
	Salary for Feb	..
	do	6.50
	do	6.00
	do	167.80
	do	6.62
	do	320.00
	Total for month	30.77
	Stationery	136.30
	Salary for Jan	136.30
	Stationery	..
	Lettering sign	..
	Books	..
	Charges, Jan.	..
	Advertising	..
	Salary for Feb	..
	do	239.00
	do	179.60
	do	143.40
	do	127.40
	do	111.60
	do	95.60
	do	79.60
	do	57.40
	do	52.60
	Total for month	2,083.14
	Stationery	1,508.77
	Salary and expenses, Feb. 29	8.65
	Books	..
	Salary for Feb	..
	Letter clip	..
	Repairs to type-writer	..
	Type-writer and sundries	..
	Stationery	..
	Charges, Feb.	..
	Street-car tickets	..
	Supreme Court Digest	..
	Salary for Mar.	..
	do	3.92
	do	3.25
	do	33.19
	Total for month	5.50
	Stationery	127.40
	Salary for Feb	..
	Letter clip	..
	Repairs to type-writer	..
	Type-writer and sundries	..
	Stationery	..
	Charges, Feb.	..
	Street-car tickets	..
	Supreme Court Digest	..
	Salary for Mar.	..
	do	5.00
	do	265.50
	do	127.70
	do	153.30
	do	191.65
	do	136.30
	do	119.20
	do	102.20
	do	85.20
	do	76.60

Expended from the appropriation for 1887-'88—Continued.

WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellane-
1888.						
Mar. 31	R. P. Logan.		Salary for Mar.	\$61.30		
			Total for month.	\$1,653.61	1,441.85	\$3.92
			Rubber stamps		14.75	\$207.84
			Expenses, Mar.			1.75
			Rental, Jan. to Mar.			15.25
			Salary and expenses, Mar.		136.30	95.02
			Stationery			103.90
			Charges, Mar.			27.06
			Badges			60.90
			Stationery			20.00
			Salary for Apr.		247.25	
			do		123.60	
			do		185.40	
			do		148.30	
			do		131.90	
			do		115.40	
			do		115.40	
			do		82.40	
			do		74.20	
			do		59.30	
			Total for month.	\$1,757.18	1,419.45	109.77
					131.90	227.96
			Salary for Apt.			
			Books			21.57
			Charges, Apr.			8.00
			Batteries			3.08
			Charges, Apr.			3.64
			Stationery			32.65
			Street-car tickets			12.50
			Salary, May 1 to 21.		92.31	
			Salary, May		255.50	
			do		127.80	
			do		191.70	
			do		153.40	
			do		136.20	
			do		119.20	
			do		119.20	
			do		85.20	
			Mary Sullivan			

31	Mary T. Dent.....		76.60	
31	R. P. Logan.....		61.40	
				81.44
		Total for month.....	\$1,631.85	
June 19	The World Press Publishing Co.....			
19	The Lawyer's Co-operative Pub. Co.....			
20	Wyckoff, Seamans & Benedict.....			
20	Western Union Telegraph Co.....			
23	John C. Parker.....			
30	D. E. Salmon.....			
30	Miles Fuller.....			
30	A. M. Farrington.....			
30	W. J. Cowing.....			
30	P. L. Lyles.....			
30	R. S. Forbes.....			
30	E. B. Jones.....			
30	Mary Sullivan.....			
30	Mary T. Dent.....			
30	R. P. Logan.....			
30	Wm. Halley.....			
		Salary for June, 11 days.....		
		Total for month.....	\$1,857.42	
July 6	Chesapeake & Potomac Telephone Co.....			
9	B. W. Esterman & Co.....			
12	J. G. P. Holden.....			
13	Brooklyn Daily Eagle.....			
13	New York Herald.....			
16	New York Times.....			
17	The Publishing Journal.....			
20	John C. Parker.....			
23	Western Union Telegraph Co.....			
28	Mt. Kisco Weekly.....			
		Total for month.....	\$1,434.48	
		Advertising, Jan. to June.....		
		Books.....		
		Advertising, Jan. to June.....		
		Advertising, Dec. 24 to June 30.....		
		Advertising, Jan. 7 to June 30.....		
		Advertising, July 7, 1887, to June 28.....		
		Advertising, Jan. 7 to June 30.....		
		Stationery.....		
		Charges, June.....		
		Advertising, May 18 to June 29.....		
		Total for month.....	\$1,434.48	
		Advertising, Jan. to June.....		
		Expenses, Apr. 30 to May 21.....		
		Total for Aug. and Sept.....	\$110.25	
		Transportation.....		
		Cheyenne to Denver.....		
		Denver to Kansas City.....		
		Cheyenne to Denver and return.....		
		Kansas City to Ft. Worth and return.....		
		Total of orders.....	\$85.60	
		Grand total.....	\$23,586.19	
		Total for month.....	\$17,601.40	
		728.74	5,456.05	

Expended from the appropriation for 1888-'89, by States—Continued.

NEW YORK.

H. Mis.	Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888 62	July 26	Anna Weinman	Queens County	9 animals 11 animals				\$239.00	
	do			Total for month	\$491.00			232.00	239.00
6 Aug.	2	Adolph Bevers	Deputy	Salary and expenses, July 5 to 31	\$73.37	\$5.17			
3	Wm. H. Catlin		do	Salary and expenses, July	260.00	25.12			
3	Thos. J. Herr		do	do	248.00	44.28			
3	John J. Foy		do	do	101.10	77.50			
3	Wm. Rose		do	do	151.60	2.62			
3	Jas. Anderson		do	do	134.80	11.87			
3	A. K. Robertson		do	do	134.80	2.82			
3	Sidney Shepherd	Clerk	Salary for July		1,168.25				
3	W. J. Watt <i>et al.</i>	Disinfectors	Salaries, July		224.00	11.63			
4	Ch. B. Michener		Salary and expenses, July		208.00	11.78			
4	John P. Bond		do	do	134.80	45.00			
4	H. S. Vanderhoff		do	do	84.20	12.52			
4	Albert Stern	Deputy	Salary and expenses, July 10 and 14 to 31		61.97	60.67			
4	J. B. Trall	Clerk	Salary for July		84.20				
4	F. B. Huyler	do	Salary for July 6 to 31		70.65				
4	N. H. Kirkland	do	Salary for July 9 to 31		62.50				
4	C. W. Neilson	do	Salary for July 9 to 31		101.10				
4	J. B. Docharty	do	3 animals						
6	W. H. Rose	Westchester County	Salary and expenses, July 5 to 31		73.37	2.42			
7	R. J. Menair	Deputy	Salary and expenses, July		84.20	12.39			
7	Chas. Margrane	do	do		62.50				
7	J. J. Hearne	Richmond County	9 animals						
7	John Missic	do	5 animals						
7	do	do	2 animals						
7	Philip Mohan	New York County	25 animals						
7	Philip Mohan <i>et al.</i>	do	14 animals						
7	Patrick McCabe	New York City	Salary and expenses, July		84.20				
10	Jas. F. O'Brien	Deputy	do		65.22	12.32			
10	E. D. Vaughn	do	do		65.22	12.32			
10	Jas. Wall	do	do		62.50	.72			
10	W. P. Wallace	do	do		13.59				
10	P. J. McIntyre	do	do		84.20	30.00			
10	C. A. Gleason	do	do		62.50	22.98			
10	E. W. Kraft	do	do		67.93	2.02			
10	C. L. Leopold	do	do		16.30	7.43			
10	Augustus Mott	do	do						

Expended from the appropriation for 1888-'89 by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug. 10	Wm. Ramsey	Deputy	Salary for July 9 to 31	\$62.50				
	Thos. W. Shute	do	Salary for July 10 to 31	59.78				
13	Wm. J. Hooley	do	Salary and expenses, July	84.20		\$45.00		
	James Bagley	do	do	84.20		11.87		
13	Daniel Fcox	do	Salary and expenses, July 9 to 31	62.50		22.26		
13	Wm. Sheehan	do	Salary for July	84.20				
13	Alex. Devlin, Jr.	do	Salary for July 9 to 31	62.50		4.15		
14	J. M. Wainwright	do	Salary and expenses, July 7 to 31	122.38		7.47		
14	Jos. Fallon	Deputy	Salary and expenses, July	84.20		29.03		
14	Thos. J. Tabot	do	do	84.20		3.82		
14	J. Connors	do	do	84.20		2.72		
14	Geo. A. Woods	do	Salary and expenses, July 9 to 31	62.50		8.37		
14	M. Campbell	do	Janitor services, July					
14	C. T. Alexander	New York	Salary for July 9 to 31	62.50				
14	N. Conzett	Deputy	do	62.50				
14	P. B. Brady	do	Salary and expenses, July	208.00		12.73		
16	N. H. Peaven	Deputy	do	84.20		33.14		
16	Wm. Bulmer	do	do	84.20				
16	Jas. W. Smith	do	Salary and expenses, July 25 days	67.93		24.19		
16	Wm. J. Hines	do	Salary and expenses, July 7 to 31	67.93		24.19		
16	Thos. L. Mottram	do	Salary and expenses, July	84.20		3.12		
16	Wm. Hogan	do	do	62.50		22.26		
16	Jas. McCarthy	do	Salary and expenses, July 9 to 31	62.50		9.87		
16	J. E. Sharkey	do	do	62.50		7.32		
16	John McCloskey	do	do	62.50		3.12		
16	Henry Bodles	New York	Office rent, July					
16	T. E. D. Power	Deputy	Salary for July	84.20				
16	Peter Dickerson	do	do	84.20				
16	Geo. J. Murphy	do	Salary for July 7 to 31	62.50				
16	H. Hesterberg	do	Salary for July 9 to 31	23.00				
16	Jas. Thompson	do	do	16.30				
16	G. L. Conn	do	Salary for July 26 to 31	520.00		10.17		
16	Chas. Hendrickson	do	Salary and expenses, July	208.00		45.00		
18	James Law	do	do	124.80		83.96		
18	Lucian T. Bell	do	Salary and expenses, July	101.10		118.44		
18	J. C. Jackson	do	do	151.60		41.02		
18	G. W. Gilbert	do	do	134.80		31.62		
18	H. W. Bath	do	Fitting cattle-pen, July					
18	J. S. Candee	do	do					
18	John Duey	do						
18	Jas. W. Curran	do	Salary and expenses, July	84.20		29.03		

18	Jos. Acton	do	Salary and expenses, July, 29 days.....	78.80
	Fred. Drews	do	Salary and expenses, July 13 to 31.....	78.80
18	Thos. G. Wilson	do	Salary and expenses, July 7 to 31.....	29.03
18	Thos. M. Farrell	do	Salary and expenses, July 9 to 31.....	6.96
18	Jas. H. Smith	do	Salary and expenses, July 11 to 31.....	41.95
18	J. C. Shandley	do	Salary and expenses, July 9 to 31.....	67.93
18	J. J. Kellum	do	Salary and expenses, July 11 to 31.....	24.19
18	Richard Murphy	do	Salary and expenses, July 9 to 31.....	84.20
18	Wm. A. Clancy	do	Salary and expenses, July 9 to 31.....	1.70
18	W. E. Kavanaugh	do	Salary and expenses, July 9 to 31.....	62.50
18	Horatio Young	do	Salary and expenses, July 18 days.....	57.07
18	Caudle & Kane	New York	Salary and expenses, July 16 to 31.....	22.26
18	B. N. Snodeker	Deputy	Line.....	20.32
18	E. P. Goutten	do	Salary for July 13 to 31.....	8.00
18	Frank Ketcham	do	Salary for July 24 to 31.....	134.80
20	Jas A. Breakell	do	Salary for July 8 days.....	105.94
20	J. E. Ryder	Deputy	Salary and expenses, July 11 to 31.....	134.80
20	R. H. Palmer	do	do.....	25.60
20	H. Ehrenspeck	do	do.....	6.50
20	Elias Sload	do	Salary and expenses, July 9 to 31.....	84.20
20	John Ruppert	do	Salary for July 23 to 31.....	24.46
20	L. Edelmuth	Kings County	1 animal.....	\$20.00
20	J. H. Hilliker	do	6 animals.....	\$161.03
20	J. H. Cunningham	New York County	42 animals.....	92.00
22	Benj. Hants	Queens County	31 animals.....	1,218.00
22	J. G. Lane	do	16 animals.....	688.00
25	C. W. Neilson	do	Salary and expenses, July 25 to 31.....	19.02
25	Wing & Evans	do	Salary for July, 18 days.....	48.91
25	Trow's Printing and Book-binding Company	do	Salary for July 27 to 31.....	13.59
25	Pogardus, Ellaby & Ellsworth	do	Salary for July 6 to 8.....	8.15
25	T. J. Blair	do	Blaching powder.....	245.11
25	Hoole Manufacturing Co	Clerk	Stationery.....	106.13
27	C. C. John Grohman	Queens County	Sundries.....	44.55
27	Ir. A. McLean	do	Office furniture.....	18.60
31	R. A. McLean	do	Soldering tags.....	7.72
			5 animals.....	182.56
			1 animal.....	25.00
			Salary and expenses, July 1 to 13.....	136.35
			Total for month.....	\$15,740.71
				9,357.47
				1,573.62
				796.23
				1,449.95
				2,563.44
Sept.	J. B. Trull	Clerk	Salary and expenses, Aug. 1 to 13.....	40.46
	N. H. Kirkland	do	Salary for Aug.....	43.80
	G. J. Murphy	Deputy	do.....	84.20
	Jos. J. Hearne	do	do.....	84.20
4	P. B. Brady	do	do.....	84.20
4	P. B. Huylar	do	do.....	84.20
4	J. B. Docharty	Clerk	do.....	101.10
4	Sidney Shepherd	do	do.....	126.40
8	D. E. Salmon	do	do.....	21.60
11	W. J. Watt et al	do	Expenses, July 27 to 30.....	1,941.40
11	Augustus Mott	do	Salaries, Aug.....	84.20
			Disinfectors.....	31.32
			Deputy.....	

Expended from the appropriation for 1888-89, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept. 11	J. M. Wainwright		Salary and expenses, Aug.	\$151.60	\$7.95			
11	Thos. J. Herr		do	248.00	44.44			
11	Wm. H. Catlin		do	270.06	12.22	\$0.34		
11	C. T. Alexander		Janitor's services			8.00		
11	Chas. A. Hill		14 animals					
11	do		33 animals					
12	A. K. Robertson	Deputy	134.80	2.72				
12	Chas. Magrane	do	84.20	10.77				
12	Jos. Fallon	do	84.20	8.72				
12	Adolph Bevers	do	84.20	5.60				
12	C. W. Neilson	do	84.20	3.17				
12	G. A. Woods	do	84.20	2.82				
12	N. H. Paren	do	216.00	13.00				
12	C. L. Leopold	Deputy	84.20	3.12				
13	J. S. Candee	Deputy	134.80	47.62				
13	Wm. Brunner	do	84.20	34.95				
13	Jas. Hyatt	do	81.52	26.00				
13	J. E. Sharkey	do	84.20	14.22				
13	Jas. Bagley	do	84.20	13.55				
13	John McCloskey	do	84.20	4.22				
13	R. J. Menair	do	84.20	2.82				
13	J. H. Smith	do	84.20	.68				
19	Ch. B. Michener	do	248.00	15.02				
19	Lucian T. Bell	do	216.00	45.00				
19	W. S. Devoe	do	16.00	3.12				
19	John P. Bond	do	216.00	25.63				
19	H. W. Bath	do	151.60	41.43				
19	H. S. Vanderhoff	do	134.80	46.00				
19	Thos. G. Wilson	do	101.10	69.89				
19	Wm. Rose	do	151.60	3.42				
19	Jas. Anderson	do	134.80	13.67				
19	Jas. Hyatt	do	84.20	28.69				
19	Albert Stern	do	84.20	21.58				
19	M. Campbell	do	84.20	18.30				
19	E. Bryant	do	84.20	15.12				
19	Jas. Wall	do	84.20	13.72				
19	E. D. Vaughan	do	84.20	13.72				
19	Rich. Murphy	do	84.20	10.68				
19	W. A. Clancy	do	84.20	10.68				
19	Horatio Young	do	78.50	14.92				
19	Henry Boden	do	84.20	4.47				

19	J. Connors	do	84.20	3.60
19	Jos. Action	do	81.52	30.00
19	P. Dickerson	do	78.80	30.00
19	W.E. Kavanaugh	do	73.37	30.00
19	Dan'l Fox	do	84.20	30.00
19	J. C. Shandley	do	84.20	30.00
19	J. W. Curran	do	84.20	30.00
19	C. A. Gleason	do	84.20	30.00
19	E. W. Krafft	do	84.20	30.00
19	Jas. W. Smith	do	84.20	30.00
19	T. Wright	do	84.20	30.00
19	J. J. Kellum	do	84.20	30.00
19	J. J. Cunningham	do	84.20	30.00
19	T. L. Mottram	do	84.20	30.00
19	T. M. Farrell	do	84.20	30.00
19	Thos. J. Talbot	do	84.20	30.00
19	W. P. Wallace	do	84.20	30.00
19	J. F. O'Brien	do	84.20	30.00
19	Nicholas Conzett	do	84.20	30.00
19	H. Hesterberg	do	84.20	30.00
19	E. P. Golten	do	84.20	30.00
19	John G. Lane	do	84.20	30.00
19	Chas. Hendrickson	do	84.20	30.00
19	Wm. Hozan	do	84.20	30.00
19	Wm. Ramsey	do	84.20	30.00
19	Alex. Devlin	do	84.20	30.00
19	P. J. McIntyre	do	76.09	30.00
19	H. Ehrenspeck	do	71.52	30.00
19	Elhas Sloot	do	73.37	30.00
19	Wm. Sheehan	do		40.13
19	A. H. Somm et al.	do		40.13
19	J. H. Gimpel et al.	do		40.13
19	Embree Hill et al.	do		40.13
19	Jas. Law	do		40.13
22	do	do	1,006.75	3.60
22	J. E. Ryder	do	535.00	2.314.62
22	J. A. Breakell	do	1,548.00	537.50
22	G. W. Gilbert	do		3,574.50
22	J. J. Foy	Deputy		
22	Fred. Drews	do	14.94	17.55
22	T. W. Shute	do	12.64	12.19
22	Jas. Thompson	do	12.55	1.20
22	Beul. Hants	do	109.67	...
22	N. H. Kirkland	do	115.16	
22	G. L. Cohn	do	112.90	
22	Frank Ketcham	do	34.47	
22	W. J. Hobday	do	25.02	.44

Expended from the appropriation for 1888-'89 by States—Continued.

NEW YORK—Continued.

Date.	Name,	Remarks,	For what paid.	Salaries,	Traveling expenses.	Miscellane-	Affected cattle.	Exposed cattle.
1888.								
Sept. 22	Jas. McCarthy	Deputy	Salary and expenses, Aug., 30 days.	\$81.52	\$30.00			
22	Wm. J. Hines	do	Salary and expenses, Aug., 27 days.	73.37	30.00			
22	Canda & Kane	New York	Lime			\$204.50		
22	do		Bleaching powder			138.61		
22	Wing & Evans	do	Stationery			105.55		
22	A. S. Barnes & Co.	do	Sundries			64.58		
22	Bogardus, Elahy & Elsworth	do	do			1.20		
22	Gleason & Bailey M'fg Co.	do	do			11.00		
22	do		Hose, etc			8.44		
22	The Guitta-Percha and Rubber Manufacturing Company	do	do			7.73		
22	do		Hose			7.50		
22	do		Tags			175.00		
22	Hoole Manufacturing Company	do	Tags, etc			354.75		
22	do		Disinfector's expenses, Aug.					
22	W. S. Devoe	do	Salary for Aug., 27 days	49.22				
22	B. N. Sneedker	do	Salary and expenses, Aug.	73.37				
25	J. C. Jackson	Kings County	16 animals					
25	Edw Colgan <i>et al.</i>	do	18 animals					
25	do		15 animals					
25	Lewis Federer <i>et al.</i>	New York County	21 animals					
25	do		2 animals					
25	B. J. Powers <i>et al.</i>	Queens County	5 animals					
25	do		3 animals					
25	E. A. Gibbons <i>et al.</i>	Westchester County						
			Total for month	\$27, 833.51	1,125.08	4,544.75	8,759.25	
Oct. 1	Sidney Shepherd	Clerk	Salary for Sept. 1 to 31.	11,519.08	1,885.35			
1	Henry Dohrt	Queens County	32 animals	61.14				
1	do		30 animals					
1	Henry Freeman	do	2 animals					
4	Adolph Bevers	Deputy	Salary for Sept.					
4	G. W. Neilson	Clerk	do					
6	Wm. H. Catlin	do	Salary and expenses, Sept.					
6	W. S. Devoe	do	do					
6	Miles Adams	Appraiser	Salary and expenses, July 9 to 31.					
6	P. B. Brady	Deputy	Salary for Sept.					
6	Edw. Devoe	Clerk	do					
6	J. B. Dochary	do	do					
6	F. B. Huyler	do	do					
6	M. L. Phillips	do	do					

6	W. W. Craig	do	Salary for Sept. 17 to 30
6	W. J. Watt <i>et al.</i>	do	Salaries, Sept.
9	J. M. Wainwright	1,846.70	Salary for Sept.
9	P. J. McIntyre	146.80	do
9	Geo. J. Murphy	81.60	do
9	John G. Lane	81.60	do
9	Jos. J. Hearne	81.60	do
9	G. L. Cohn	81.60	do
9	C. T. Alexander	81.60	do
9	H. S. Vanderhoff	30.00	do
10	T. W. Shute	8.00	Janitor's services, Sept.
10	T. F. Sharkey	do	Salary and expenses, Sept.
10	Albert Stern	do	do
10	Jas. Bagley	do	do
10	M. Campbell	do	do
10	Jos. Fallon	do	do
10	John McCloskey	do	do
10	Chas. Magrane	do	do
10	C. L. Leopold	do	do
10	Geo. A. Woods	do	do
10	Wm. Bulmer	do	do
10	Wm. A. Clancy	do	do
10	Thomas L. Mottram	do	do
10	J. J. Cunningham	do	do
10	Jos. Acton	do	do
10	Wm. Hogan	do	Salary for Sept.
10	W. P. Wallace	do	Salary for Sept., 29 days
10	Alex. Devlin, jr.	do	Salary for Sept., 28 days
10	Elias Sloat	do	do
10	B. N. Snedeker	do	Salary for Sept., 23 days
10	John Cartmell <i>et al.</i>	do	9 animals
10	do	do	32 animals
10	W. B. Whitlock	do	12 animals
10	do	do	60 animals
10	Henry Tone <i>et al.</i>	do	3 animals
10	do	do	18 animals
10	Stephen L. Decker	do	12 animals
10	Thos. J. Herr	do	12 animals
10	C. B. Michener	do	do
10	L. T. Bell	do	do
10	N. H. Parren	do	do
10	Wm. Rose	do	do
10	Rich. Murphy	do	do
10	J. Connors	do	do
10	Henry Bodos	do	do
10	R. J. Menair	do	Salary for Sept.
10	Chas. Hendrickson	do	Salary and expenses, Sept.
10	Townsend Wright	do	do
10	J. J. Kellum	do	Salary for Sept., 25 days
10	Wm. Sheehan	do	do
10	J. H. Smith	do	Salary for Sept.
10	E. P. Golden	do	do

Expended from the appropriation for 1888-'89, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Oct. 10	Wm. Ramsey	Deputy	Salary for Sept.	\$81.60				
10	N. Conzett	do	do	81.60				
10	Jas. W. Smith	do	Salary and expenses, Sept.	81.60	\$30.00			
10	Thos. M. Farrell	do	do	81.60	30.00			
10	Thos. J. Talbot	do	do	81.60	30.00			
10	Miles Adams	Appraiser	Salary and expenses, Aug.	101.10	114.03			
12	Jas. A. Breckell	do	Salary and expenses, Sept.	130.40	84.65			
12	John P. Bond	do	do	200.00	7.72			
12	J. S. Candee	do	do	130.40	30.00			
12	Jas. Anderson	do	do	130.40	12.62			
12	Horatio Young	do	do	81.60	13.12			
12	A. K. Robertson	do	do	138.65	3.32			
12	Jas. W. Curran	do	do	81.60	30.00			
12	Augustus Mott	do	do	81.60	30.00			
12	Daniel Fox	do	do	81.60	30.00			
12	Jas. F. O'Brien	do	do	81.60				
12	E. Bryant	do	do	81.60				
12	H. Hesterberg	do	do	81.60				
12	Benj. Harts	do	do	59.78				
12	Beardus, Ellaby & Ellsworth	New York	Salary for Sept., 22 days.					
12	Frank Kotcham	Deputy	Horn rings, etc.					
12	John Allen	do	Salary for Sept., 14 days	14.00				
12	do	do	Salary for Aug., 23 days	62.30				
12	Wing & Evans	New York	Salary for Sept., 18 days.	48.91				
12	Gauda & Kane	do	Bleaching powder					
12	Hooke Manufacturing Co.	do	Lime					
13	C. A. Gleason	Deputy	Tags					
13	W. S. Devore	do	Salary and expenses, Sept., 29 days.	78.80	31.76			
13	W. D. Hines	Deputy	Expenses, disinfectors, Sept.	59.78	78.12			
13	Jas. Thompson	do	Salary and expenses, Sept., 22 days.	78.80	22.00			
13	W. J. Hobday	do	Salary for Sept., 29 days.	81.60	45.00			
13	Jas. McCarthy	do	Salary and expenses, Sept.	78.80	29.00			
13	E. W. Kraft	do	Salary and expenses, Sept., 29 days.	78.80	29.00			
13	Fred. Drews	do	do	76.09	28.00			
13	J. C. Shandley	do	Salary and expenses, Sept., 28 days.	76.09	23.00			
13	W. E. Kavanagh	do	do	62.50	23.00			
13	P. Dickerson	do	Salary and expenses, Sept., 14 days.	38.04	14.00			
18	H. W. Bath	do	Salary and expenses, Sept., 25 days.	122.25	40.72			
18	Jas. Illyatt	Deputy	Salary and expenses, Sept., 29 days.	78.80	22.12			
18	Jas. Wall	do	Salary and expenses, Sept.	81.60	17.82			
18	E. D. Vaughn	do	do	81.60				

18	H. Ehrenspeck	do	Salary and expenses, Sept., 26 days	.70	65	1.44	
18	Thos. G. Wilson	Appraiser	Salary and expenses, Sept.	.97	80	53.17	3.00
18	R. A. McLean	do	Salary and expenses, Aug.	240.00		162.07	
19	J. C. Jackson	do	Salary and expenses, Sept.	130.40		64.00	
20	John J. Fox	do	Piston-rod, etc.	97.80		47.15	
23	Gleason & Bailey Manufacturing Company	New York	Salary for Sept.	81.60			
23	R. H. Palmer	Deputy	Salary and expenses, Aug.	84.20			
23	do	do	44 animals				\$1,227.00
24	Geo. Walter <i>et al.</i>	Kings County	73 animals				\$1,866.50
24	do	do	17 animals				
24	Edw. O. Keefe <i>et al.</i>	Queens County	69 animals				
24	do	do	1 animal				
24	Wm. Mirr.	New York County	2 animals				
24	do	do	1 animal				
24	do	do	Tags				
25	Isaac Frank	Washington	Stationery				
25	H. Baumgarten	New York	Disinfectors' and miscellaneous expenses,				
26	Martin B. Brown	do	July, Aug., Sept.				
31	W. S. Devoe	do	Salary and expenses, Sept.				
31	G. W. Gilbert	do	Salaries, Oct.				
31	W. J. Watt <i>et al.</i>	Disinfectors	Salary and expenses, Sept.				
30	J. E. Rider	do	Toll service and exchange rental.				
30	The Metropolitan Telephone and Telegraph Company	New York	do				
30	do	do	Total for month	\$27,948.00			
				13,249.81	1,912.52	812.17	3,781.95
							8,191.55
Nov.	Edward Devoe	Clerk	Salary for Oct.				
2	J. B. Dochartaigh	do		117.90			
2	C. W. Neilson	do		101.10			
2	M. L. Phillips	do		84.20			
2	Adolph Bevers	do		84.20			
2	F. B. Hayler	do		81.20			
2	P. B. Brady	do		84.20			
2	W. W. Craig	do		84.20			
2	J. J. Hearne	do		84.20			
2	T. W. Shute	do		84.20			
3	Rudolph Ramnow	Deputy	Salary and expenses, Oct. 25 to 31.	19.02		1.92	
3	Geo. A. Woods	do	Salary and expenses, Oct.	do		1.62	
3	Chas. Magrane	do	do	84.20		5.97	
3	M. Campbell	do	do	84.20		8.17	
3	Jos. Fallon	do	do	84.20		10.82	
3	N. H. Paaren	do	do	216.00		11.64	
3	A. K. Robertson	do	do	151.60		5.38	
3	C. B. Michener	do	do	248.00		20.85	
3	John P. Bond	do	do	232.00		7.37	
3	H. S. Vanderhoff	do	do	134.80		45.00	
3	Wm. Rose	do	do	151.60		2.92	
3	Jas. Anderson	do	do	124.80		13.12	
3	J. E. Sharkey	Deputy	do	84.20		14.62	

Expended from the appropriation for 1888-'89, by States—Continued.

NEW YORK—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888. Nov. 3	Albert Stern	Deputy	Salary and expenses, Oct	\$84.20	\$13.49			
	Jas. Bagley	do	do	84.20	13.07			
	Wm. A. Clancy	do	do	84.20	8.67			
	Rich. Murphy	do	do	84.20	8.67			
	Henry Bodie	do	do	84.20	4.89			
	J. S. Candee	do	do	134.80	44.82			
	R. J. McNair	Deputy	do	84.20	2.82			
	John McCloskey	do	do	84.20	5.57			
	P. J. McIntyre	do	do	84.20				
	N. Conzett	do	do	84.20				
	Daniel Fox	do	do	84.20				
	Jas. W. Smith	do	do	84.20				
	C. M. Alexander	New York	Janitor's services, Oct	31.00				
	G. L. Cohn	Deputy	Salary for Oct	84.20				
	G. J. Murphy	do	do	84.20				
	Wm. Ramsey	do	do	270.00	22.77			
	Wm. H. Cathin	do	do	134.80	22.95			
	J. E. Ryier	do	do	151.60	11.20			
	J. M. Wainwright	do	do	84.20	18.52			
	Horatio Young	Deputy	do	84.20				
	C. L. Leopold	do	do	84.20	3.42			
	W. E. Kavanagh	do	do	84.20	30.00			
	Augustinus Moffit	do	do	84.20	30.00			
	Fred. Dreyer	do	do	84.20	30.00			
	Thos. M. Farrel	do	do	84.20	30.00			
	T. J. Talbot	do	do	84.20	30.00			
	T. T. Wright	do	do	84.20	30.00			
	J. C. Shandley	do	do	84.20	30.00			
	J. W. Curran	do	do	84.20	30.00			
	J. J. Cunningham	do	do	84.20	30.00			
	Thos. L. Moitram	do	do	81.52	29.01			
	Alex. Devlin, Jr.	do	do	84.20				
	H. H. Hesterberg	do	do	84.20				
	Chas. Hendrickson	do	do	84.20				
	E. Bryant	do	do	84.20				
	P. J. Thomas	do	do	81.52				
	J. G. Lane	do	do	84.20				
	E. P. Golden	do	do	248.00	16.77			
	Thos. J. Herr	do	do	151.60	40.72			
	H. W. Bath	do	do	84.20	6.98			
	Jas. H. Smith	do	do					

Wm. Bulmer	do	do	30.00
C. A. Gleason	do	do	30.00
G. W. Gilbert	do	do	65.44
E. W. Kraft	do	do	29.01
Wm. Sheehan	do	do	81.52
Wm. Hogan	do	do	81.52
W.P. Wallace	do	do	84.20
Elias Sloat	do	do	78.89
John Allen	do	do	48.91
Mary Delaun <i>et al.</i>	Kings County	do	\$1,856.10
J. D. Van Wagner	Ulster County	do	\$1,973.50
J. H. Gebhard <i>et al.</i>	Queens County	do	25.00
Mrs. Phoebe J. Arnlow <i>et al.</i>	Westchester County	do	1,444.80
W. S. Devoe	do	do	23.50
L. T. Bell	Appraiser	do	113.00
Thos. G. Wilson	Deputy	do	1,545.80
Jas. Hyatt	do	do	113.00
E. D. Vaughn	do	do	14.93
Jas. Wall	do	do	3.13
J. Connors	do	do	45.00
J. F. O'Brien	do	do	4.44
Jas. Thompson	do	do	84.20
R. H. Palmer	do	do	84.20
Wm. J. Hines	do	do	38.04
Benj. Hanis	do	do	13.54
Jos. Acton	do	do	76.09
W. J. Hobday	do	do	45.00
Jas. McCarthy	do	do	84.20
J. J. Kellum	do	do	30.00
T. J. Blair	New York	do	30.00
Canda & Kane	do	do	30.00
Bogardus, Ellalby & Ellsworth	do	do	24.00
John J. Devine	Kings County	do	133.25
John Duffy	do	do	22.50
D. E. Salmon	do	do	215.00
E. H. Ehrenspeck	Deputy	do	250.00
Mason, Chapin & Co.	New York	do	54.10
The Grutta Ferha and Rubber	do	do	65.00
Manufacturing Company	do	do	65.00
Metropol'n. Telpb. & Telg. Co.	do	do	65.00
Gleason & Bailey Mfg. Co.	do	do	65.00
R. A. McLean	do	do	65.00
Roscoe R. Bell	do	do	65.00
Martin B. Brown	New York	do	121.45
Thos. McGee <i>et al.</i>	Kings County	do	53.53
W. H. Combes <i>et al.</i>	Queens County	do	13.80
do	do	do	116.91
do	do	do	2.00
Stationer	do	do	11.00
56 animals	do	do	137.20
75 animals	do	do	1,737.16
29 animals	do	do	1,706.00
39 animals	do	do	901.70
			810.00

NEW YORK—Continued.

Expended from the appropriation for 1888 '89, by State—Continued.

PENNSYLVANIA.

16	John J. McKinley Patrick O'Donnell	Philadelphia County	1 animal	3.00
		do	do	15.00
4	Harvey Ostrand <i>et al.</i>	Philadelphia County	Total for mouth	18.00
4	Daniel G. Hatch	Disinfectors	Salaries, July	322.07
4	John A. Mutter	Clerk	Salary for July	117.90
9	John B. Herron	Philadelphia County	1 animal	13.00
9	W. A. Willard	Deputy	Salary for July	84.20
9	Wm. S. Devoe	Clerk	do	117.90
9	W. H. Rose	Deputy	Salary and expenses, July 1 to 19 and 21 to	\$2.72
9	J. J. Owens	Clerk	31.	
9	C. Moffatt	Philadelphia	Salary and expenses, July	200.00
9	W. A. Swayne	do	do	5.57
9	Hollingsworth & Peterson	do	Salary for July	84.20
9	The Bell Telephone Co.	do	Chloride of lime	3.93
10	Chas. E. Bridge	do	Exchange rental, July to Sept.	45.50
10	R. W. Hickman	do	Salary and expenses, July	184.00
10	R. G. Webster	do	do	30.00
10	A. J. Fricka	Deputy	Chloride of lime	134.80
10	J. J. Matthews	do	Exchange rental, July to Sept.	134.80
10	Chas. A. Kelly	do	Salary and expenses, July	134.80
10	T. A. Maher	do	do	30.43
10	W. H. Janney	do	Chloride of lime	134.80
10	J. R. Tatton	do	Exchange rental, July to Sept.	134.80
10	Wm. T. Fallon	do	Salary and expenses, July	84.20
10	C. L. Hartman	do	do	28.47
10	J. J. Eberhardt	do	Chloride of lime	84.20
10	Isaac Brown	do	Exchange rental, July to Sept.	84.20
10	J. M. Monks	do	Salary and expenses, July	70.65
10	T. F. O'Brien	do	do	10.52
10	Geo. Carrier	do	Chloride of lime	84.20
10	Jas. McDermott	do	Exchange rental, July to Sept.	84.20
14	A. O. Drane	do	Salary and expenses, July	70.65
14	J. J. Treston	do	do	5.77
14	M. J. Barry	do	Chloride of lime	84.20
16	Henry Morse	Philadelphia	Salary and expenses, July 6 to 31	84.20
16	J. B. Shannon & Sons	Deputy	Sundries	84.20
16	E. Shannon	do	Salary and expenses, July	84.20
16	Jas. McCarron	do	do	3.29
16	W. B. Montgomery	do	Chloride of lime	84.20
16	Jas. T. Ross	Philadelphia	Salary and expenses, July 6 to 31	111.10
16	Wm. M. Buckman	do	do	10.27
18	Edgar Marlin	Philadelphia	Salary and expenses, July	134.04
18	Bogardus, Ellaby & Ellsworth	do	do	37.50
18	New York	do	Chloride of lime	134.80
				30.00
				33.37
				17.75

H. Mis. 1—44

Expended from the appropriation for 1888-'89, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug. 18	F. L. Hoover	Philadelphia.	Box.			\$6.22		
	18 Gleason & Bailey Mfg. Co.	New York.	Rubber packing.		4.24			
20	J. J. King	Deputy.	Salary and expenses, July 26 to 27.	\$84.20		\$11.55		
	Francis Bridge	Disinfector.	Salary for July 2 to 6.	8.00		.55		
20	H. Ostrander	Deputy.	Salary and expenses, July 1 to 31.	13.59				
	18 Daniel Scull	Deputy.	Stationery.	84.20		11.62		
20	Joseph H. Mann	Philadelphia.	Salary and expenses, July 6 to 31.				70.38	
22	George W. Been	Deputy.				70.65	9.59	
			Total for month.	\$4,423.07		3,797.94	255.44	\$13.00
Sept. 4	W. A. Swayne	Philadelphia.	Office rent.					
	4 C. Moffatt	Clerk.	Office rent for Aug.	52.41				507.00
4	W. A. Willard	do	Salary for Aug.	117.90				
4	D. G. Hatch	do	do	117.90				
4	J. B. Herron	Deputy.	do	84.20				
6	Charles E. Bridge	Deputy.	Salary and expenses, Aug.	134.80		40.50		
6	George Carter	Deputy.	do	84.20		4.87		
6	Josiah White	Deputy.	2 animals.					
6	H. Ostrander <i>et al.</i>	Disinfectors	Salaries, August.	541.20				
7	W. B. Montgomery	Deputy.	Salaries, August.	134.80		15.42		
7	Isaac Brown	Deputy.	do	84.20		11.17		
7	C. L. Hartman	do	do	84.20				
7	James Mc Dermott	do	do	84.20		9.03		
7	J. J. Eberhardt	do	do	84.20		6.47		
7	A. O. Drane	do	do	84.20		13.37		
7	J. A. Treston	do	do	84.20		7.23		
7	Edgar Marlin	do	do	134.80		40.50		
7	Joseph R. Tateam	Deputy.	do			13.37		
11	W. H. Rose	do	do	224.00		4.91		
11	James T. Ross	do	do	134.80		40.50		
11	R. W. Illekmann	do	do	134.80		32.69		
11	James McCarron	Deputy.	do	84.20		13.87		
11	J. J. King	do	do	84.20				
11	George W. Been	do	do	84.20		12.18		
11	A. J. Fricka	do	do	84.20		11.98		
11	Daniel Seull	do	do	84.20		11.67		
11	Henry Morse	do	do	84.20		10.65		
11	T. F. O'Brien	do	do	84.20		10.65		
11	M. J. Barry	do	do	84.20		8.12		
11	W. H. Janney	do	do					

11	Charles A. Kelly.....	do	do	do	do	7.23
11	J. M. Monks.....	do	do	do	84.20	84.20
11	William T. Fallon.....	do	do	do	6.91	6.91
11	T. A. Maher.....	do	do	do	84.20	84.20
11	J. J. Matthews.....	do	do	do	6.67	6.67
11	J. J. Owens.....	do	do	do	84.20	84.20
11	E. Santman.....	do	do	do	6.15	6.15
12	Isaac L. Lyster.....	do	do	do	84.20	84.20
12	do	do	do	do	6.14	6.14
12	W. S. Devoe.....	do	do	do	5.30	5.30
19	R. G. Webster.....	do	do	do	3.07	3.07
22	A. C. Young.....	do	do	do		
22	Hollingsworth & Peterson.....	Philadelphia.	28 animals	1 animal		
22	Bogardus, Ellaby & Ellsworth.....	New York.	Salary and expenses, Aug.	Salary and expenses, Aug.	\$845.00	\$845.00
22	Hollingsworth & Peterson.....	Philadelphia.	Chloride of lime	Chloride of lime		
22	Joseph H. Mann.....	do	Hog rigs	Hog rigs		
22	John M. Carty.....	Philadelphia County	Chloride of lime	Chloride of lime		
22	do	do	Stationery	Stationery		
			2 animals	2 animals		
			1 animal	1 animal		
			Total for month.....	\$5,909.61	76.00	76.00
Oct	1	Francis Bridge.....	Philadelphia.	Salary and expenses, Aug., 10 days		
	1	William M. Buckman Manufacturing Company.....	New York.....	Lime		
3	J. J. Treson.....	Deputy	Air chamber.....	Salary and expenses, Sept.		
3	Charles A. Kelly.....	do	do	do		
3	J. J. Owens.....	do	do	do		
3	C. Moffatt.....	Clerk	Salary for Sept.	81.60	7.77	7.77
3	W. A. Willard.....	do	do	81.60	7.77	7.77
3	D. G. Hatch.....	do	do	81.60	5.92	5.92
3	J. B. Hertron.....	do	do	56.30		
6	W. H. Rose.....	do	do	114.20		
6	W. B. Montgomery.....	do	do	114.20		
6	Edgar Marlin.....	do	do	114.20		
6	James T. Ross.....	do	do	114.20		
6	R. W. Hickman.....	do	do	114.20		
6	H. Ostrander et al.....	do	do	114.20		
6	W. H. Jannay.....	do	do	114.20		
6	W. T. Fallon.....	do	do	114.20		
6	J. J. Eberhardt.....	do	do	114.20		
6	J. J. Matthews.....	do	do	114.20		
6	M. J. Barry.....	do	do	114.20		
8	Geo. Carter.....	do	do	114.20		
8	E. Santman.....	do	do	114.20		
8	W. A. Swayne.....	do	do	114.20		
8	A. C. Young.....	do	do	114.20		
8	J. J. King.....	do	do	114.20		
8	Jas. McCarron.....	do	do	114.20		
8	A. O. Drane.....	do	do	114.20		
8	J. R. Taven.....	do	do	114.20		
8	Daniel Scull.....	do	do	114.20		

Expended from the appropriation for 1888-'89, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Oct. 8	G. W. Bean.....	Deputy.....	Salary and expenses, Sept.....	\$81.60	\$12.83			
	A. J. Fricka.....	do.....	do.....	81.60	12.83			
8	Jas. McDermott.....	do.....	do.....	81.60	11.96			
8	J. M. Monks.....	do.....	do.....	81.60	11.37			
8	Thos. F. O'Brien.....	do.....	do.....	81.60	9.62			
8	Henry Morse.....	do.....	do.....	81.60	9.62			
8	Isaac Brown.....	do.....	do.....	81.60	7.54			
8	C. L. Hartman.....	do.....	do.....	81.60	7.45			
10	Wm. A. Johnson.....	do.....	6 animals.....				\$131.00	
10	do.....	do.....	13 animals.....					
12	Chas. E. Bridge.....	Deputy.....	Salary and expenses, Sept.....	130.40	37.87			
12	L. A. Maher.....	do.....	do.....	81.60	11.37			
12	The Bell Telephone Company of Philadelphia.....	Deputy.....	Exchange rental, Oct. to Dec.			\$30.00		
12	Hooke Manufacturing Co.....	New York.....	Tags.....			87.50		
12	Jos. H. Mann.....	Philadelphia.....	Stationery.....			25.72		
12	Wm. K. Buckman.....	New York.....	Lime.....			24.90		
12	Bogardus, Ellaby & Ellsworth.....	Philadelphia.....	Hog-rings.....			9.50		
12	D. W. Shannon.....	New York.....	Nippers, etc.....			5.00		
12	Hollingsworth & Peterson.....	Philadelphia.....	Chloride of lime.....			28.06		
17	F. L. Hoover.....	do.....	Office fixtures.....			5.19		
23	Gleason & Bailey Mfg. Co.....	New York.....	Piston-rod, etc.....			6.00		
24	Merritt P. Hutton.....	Philadelphia County.....	2 animals.....			16.00		
24	do.....	do.....	10 animals.....					
25	H. Baumgarten.....	Washington.....	Tags.....			51.00		
30	Francis Bridge.....		Salary and expenses, Sept., 16 days.....	128.00	40.41			
			Total for month.....	\$5, 502.60	4, 043.50	474.88	372.22	147.00
			Salary for Oct.....			58.10		
			do.....			84.20		
Nov 3	C. Moffat.....	Clerk.....						
3	J. B. Herron.....	do.....						
3	D. G. Hatch.....	do.....						
3	W. A. Willard.....	do.....						
6	A. C. Young.....	do.....	Salary and expenses, Oct.....	166.50		35.08		1.30
6	W. B. Montgomery.....	do.....	do.....	134.30		40.87		
6	Edgar Martin.....	do.....	do.....	134.80		38.52		
6	R. W. Hickman.....	do.....	do.....	134.80		40.87		
6	Jas. McCarron.....	do.....	do.....	84.20		14.97		
6	Geo. W. Bean.....	do.....	do.....	84.20		14.17		
6	T. F. O'Brien.....	do.....	do.....	84.20		12.50		
6	Jas. McDermott.....	do.....	do.....	84.20		11.62		

6	C. L. Hartman	do	do	5.77
6	J. J. Eberhardt	do	do	5.77
6	Wm. T. Fallon	do	do	84.20
6	A. O. Drane	do	do	84.20
7	W. H. Rose	Deputy	do	62.50
7	Chas. E. Bridge	do	do	9.32
7	Daniel Scull	do	do	216.00
7	J. J. King	do	do	184.80
7	Henry Morse	do	do	84.20
7	Jos. M. Monks	do	do	84.20
7	J. J. Matthews	do	do	84.20
7	T. A. Maher	do	do	12.50
7	E. Santman	do	do	12.00
7	Chas. A. Kelly	do	do	10.79
7	M. J. Barry	do	do	10.07
7	W. H. Janney	do	do	9.37
7	Isaac Brown	do	do	9.29
7	J. J. Owens	do	do	84.20
7	Geo. Carter	do	do	84.20
10	John A. Hoffman	Philadelphia County	1 animal	84.20
10	John K. Valentine	Chester County	do	84.20
13	Jas. T. Ross	Deputy	do	84.20
13	Harvey Ostrand	do	do	84.20
13	J. J. Treston	do	do	84.20
13	J. R. Tatem	do	do	84.20
13	M. Kelly et al	Disinfectors	do	67.96
13	W. A. Swaine	Philadelphia	do	15.00
13	Jos. H. Mann	do	do	do
13	John A. Hoffman	Philadelphia County	do	do
13	Hoole Manufacturing Co.	New York	do	do
13	Bogardus, Elabey & Ellsworth	do	do	do
16	D. E. Salmon	do	do	do
16	Francis Bridge	do	do	do
16	A. J. Fricka	do	do	do
16	Wm. M. Buckman	do	do	do
21	Wm. S. Laurence	Harrison Hippie	do	do
26	Edgar Marin	do	do	65.22
26	W. B. Montgomery	do	do	65.22
26	Jas. T. Ross	do	do	52.17
26	J. J. Matthews	do	do	40.76
26	J. M. Monks	do	do	40.76
26	J. R. Tatem	do	do	40.76
26	Daniel Scull	do	do	40.76
26	Geo. W. Been	do	do	40.76
26	E. Santman	do	do	40.76
26	Jas. McDermott	do	do	40.76
26	T. A. Maher	do	do	40.76
26	A. O. Drane	do	do	35.33
26	J. J. Treston	do	do	4.07

Expended from the appropriation for 1888-'89, by States—Continued.

PENNSYLVANIA—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888 Nov. 26	Chas. A. Kelly M. J. Barry	Deputy do	Salary and expenses, Nov. 1 to 12	\$35.33 32.61	\$4.07 4.37	.....	.....	.....
25			Salary and expenses, Nov. 13 days .....	.....	.....	.....	.....	.....
25			Total for month	\$5,074.12	4.165.05	\$176.85	.....	\$103.00
26			Grand total	\$20,927.40	16,282.41	938.73	\$231.00	1,489.00

NEW JERSEY.

1888 July 25	B. J. Misser Jas. Baxter	Hudson County do	1 animal do .....	.....	.....	.....	25.00	.....
25	Mary Sexton	do	7 animals .....	.....	.....	.....	25.00	.....
25	Jas. Gillespie	do	6 animals .....	.....	.....	.....	15.00	.....
25	do	do .....	.....	.....	.....	.....	115.00	203.00
			Total for month	\$383.00	.....	.....	180.00	203.00
Aug. 3	Chas. McAnalley <i>et al.</i> H. D. Gill	Disinfectors	Salaries, July	1,144.75	.....	.....	.....	.....
7	W. W. Curry	do	Salary and expenses, July	134.80	62.75	.....	.....	.....
7	G. W. Garretson	Deputy	do	117.90	45.00	.....	.....	.....
7	Julius Huelson	Deputy	do	84.20	49.65	.....	.....	.....
7	Simon Kelly	Deputy	do	117.90	8.35	.....	.....	.....
7	R. Letts	do	do	84.20	23.00	.....	.....	.....
7	Garet Haley	do	do	84.20	12.21	.....	.....	.....
7	G. Seide	do	do	84.20	7.60	.....	.....	.....
7	J. J. Clarke	do	Salary and expenses, July 16 to 31	84.20	6.80	.....	.....	.....
7	E. A. Vreeland	Deputy	Salary and expenses, July	117.90	43.48	4.40	.....	.....
7	John Roberts	Deputy	do	84.20	45.00	.....	.....	.....
7	C. Teehan	do	do	84.20	59.15	.....	.....	.....
7	Thos. Lenihan	Clerk	do	84.20	22.03	.....	.....	.....
7	B. D. Phillips	do	do	84.20	6.95	.....	.....	.....
7	Seneca Barker	do	Salary for July	84.20	.....	.....	.....	.....
7	C. D. Noonan	do	do	70.80	.....	.....	.....	.....
7	Gustav Hauser	Deputy	Salary and expenses, July 16 to 31	43.48	4.05	.....	.....	.....
7	P. J. Carlin	do .....	.....	84.20	7.30	.....	.....	.....
7	A. C. Young	do .....	.....	134.80	53.11	.....	.....	.....

7	J. S. Miller	do	7.60
7	E. F. Gorman	do	53.05
8	B. J. Wissner <i>et al.</i>	Hudson County	300.00
8	do	do	381.00
9	Wm. H. Mook	do	13 animals
9	do	do	37 animals
9	Andrew Garling	Salary and expenses, July	134.80
9	A. M. Kattenstroth	do	45.00
9	Peter Girtz	do	19.90
9	Robert Quinian	do	14.75
9	Maurice Walsh	do	14.75
9	J. Malqueeny	do	14.00
10	H. W. Rowland	do	12.40
10	E. L. Lohlein	do	84.20
16	P. M. Hall	do	84.20
18	W. Dimond	do	84.20
18	J. P. Chatan	do	117.90
18	C. A. Woolsey	do	45.00
20	H. Gotliberg & Son	do	84.20
20	Wing & Evans	New York	84.20
20	F. H. Spengeman	Jersey City	84.20
20	Albert Datz	do	50.00
20	Thos. T. Reid	do	20.85
20	Gleason & Bailey Mfg Co	New York	168.50
20	Bogardus, Ellaby & Ellsworth	do	122.05
20	J. A. Lawson	Jersey City	60.87
20	D. Van Vorst	Hudson County	36.35
20	Lena Sherer	do	7.96
20	Lena Sherer <i>et al.</i>	Monmouth County	57.35
20	G. Hendrickson <i>et al.</i>	do	40.00
21	do	do	14.50
21	Hooke Mfg Co	New York	13.00
25	Washburn Bros	Jersey City	13.00
27	Ellison Preston	Monmouth County	6.95
27	do	do	10.50
27	Jacob Ehrler <i>et al.</i>	Hudson County	5.40
27	do	do	449.00
27	do	do	176.00
27	do	do	50.00
27	do	do	220.00
27	do	do	360.00
27	do	do	80.00
27	do	do	48.75
27	do	do	20.00
27	do	do	283.00
27	do	do	639.00
27	Total for month	\$8,718.99	401.31
Sept. 6	Chas. Coytes <i>et al.</i>	14 animals	1,049.00
6	do	39 animals	315.00
6	D. Katz	do	887.00
6	do	Hudson County	467.00
6	Chas. McAnally <i>et al.</i>	19 animals	75.00
6	D. Gill	4 animals	1,658.25
8	Chas. McAnally <i>et al.</i>	Salaries, Aug	134.80
8	H. D. Gill	do	64.75
8	E. A. Vreeland	do	75.01
8	W. H. Mook	do	117.90
8	W. W. Curry	do	45.00
8	W. W. Rowland	do	117.90
8	John Roberts	do	15.00
8	E. F. Gorman	do	84.20
8	do	do	61.30
			84.20
			57.60

Expended from the appropriation for 1888-'89, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept. 8	G. W. Garretson.	Deputy.	Salary and expenses, Aug.	\$84.20	\$51.80			
	J. Julius Hauisen.	do	do	117.50	8.75			
	E. L. Loblein.	Deputy	Salary and expenses, Aug.	85.00	34.81			
	C. Techam.	do	Salary and expenses, Aug.	84.20	28.20			
	Andrew Garling.	do	do	84.20	22.85			
	Robt. Quinian.	do	do	84.20	22.60			
	Peter Grich.	do	do	84.20	20.75			
	A. Kattenstroth.	do	do	84.20	20.75			
	Simon Kelly.	do	do	84.20	18.90			
	R. R. Letts.	do	do	84.20	12.67			
	Thos. Lenihan.	do	do	84.20	9.90			
	J. S. Miller.	do	do	84.20	8.45			
	Garret Haley.	do	do	84.20	8.40			
	G. Seide.	do	do	84.20	8.30			
	P. J. Carlin.	do	do	84.20	8.05			
	J. J. Clarke.	do	do	84.20	7.90			
	Maurice Walsh.	do	do	84.20	7.40			
	J. Minoguey.	do	do	84.20	8.15			
	Gustav Hauser.	Clerk.	Salary for Aug.	84.20	7.20			
	B. D. Phillips.	do	do	84.20				
	C. D. Noonan.	do	do	70.80				
	Seneca Barker.	do	6 animals					
	Mary Hanan.	Hudson County.						
	Mary Hanan <i>et al.</i>	do						
	J. R. Chatlin.	Appraiser	Salary and expenses, Aug.	117.50	37.10	\$3.50		
	W. H. Cooper.	do	Salary and expenses, Aug.	95.00	52.94			
	W. Dimond.	Jersey City.	19 day	168.50	107.60	2.75		
	F. H. Spengeman.	do	Salary and expenses, Aug.			50.00		
	The Hudson County Dispatch.	New York.	Office rent, Aug.			9.00		
	Bogardus, Ellaby & Ellsworth.	Jersey City.	Printing.			9.00		
	Peter Taylor.	Hudson County.	Hog rings.			5.00		
	A. C. Young.	do	Janitor's services.	26.09	8.71			
	Peter Glessner.	do	Salary and expenses, Aug. 1 to 6.					
	do.	do	12 animals.					
			4 animals.					
			Total for month.	\$8,040.63	4,617.54	915.84	79.25	597.00
								1,831.00
Oct.	M. J. Coyle.	Appraiser.						
	Jas. P. Hall.	Jersey City.						
	Gleason & Bailey Mig. Co.	New York.						
	2	Wm. Dimond.						
			Salary and expenses, Aug.	117.90	9.15			
			Lime.					
			Sundries.					
			Disinfectors' expenses, Aug.					
			110.20					

5	Chas. McAnalley <i>et al.</i>	Disinfectors	Salaries, Sept.	1,374.50
9	H. D. Gill	do	Salary and expenses, Sept.	47.75
9	E. A. Vreeland	do		114.20
9	Wm. H. Mook	do		130.40
9	H. W. Rowland	do		114.20
9	J. R. Chatin	do		45.00
9	E. F. Gorman	do		114.20
9	John Roberts	do		23.60
9	G. W. Garrison	do		81.60
9	Julius Hulsen	do		81.60
9	M. J. Coyle	do		58.10
9	E. L. Lobbins	do		62.90
9	A. M. Kattensstroth	Appraiser	Salary and expenses, Sept., 16 days	46.50
9	Andrew Garling	Deputy	Salary and expenses, Sept.	114.20
9	Robt. Quinlan	do		80.00
9	Simon Kelly	do		81.60
9	C. Teehan	do		81.60
9	R. R. Letts	do		81.60
9	Thos. Lenihan	do		81.60
9	Maurice Walsh	do		81.60
9	J. J. Clarke	do		81.60
9	J. Mulqueny	do		81.60
9	Garret Haey	do		81.60
9	G. Seide	do		81.60
9	Jas. S. Miller	do		81.60
9	Gustav Hauser	do		81.60
9	W. W. Curry	do		81.60
10	Wm. Dimond	do		114.20
10	Peter Taylor	Jersey City	Disinfectors' expenses, Sept.	18.30
12	W. H. Cooper	Deputy	Janitor's services, Sept.	5.00
12	Peter Girth	Jersey City	Salary and expenses, Sept., 24 days	120.00
12	H. Gothenberg & Son	New York	Salary and expenses, Sept.	81.60
12	Wing & Evans	Jersey City	Tags.	71.00
12	Jas. P. Hall	do	Blanching powder	5.60
13	N. Y. & N. J. Telephone Co.	Jersey City	Lime	75.00
13	P. J. Carlin	do	Exchange rental, Aug. 21 to Oct. 18	62.50
17	J. A. Lawson	Jersey City	Snadries	22.50
20	J. Geth, Jr.	New York	Salary and expenses, Sept. 17 to 30	6.20
23	Gleason & Bailey Mfg. Co.	New York	Air-chamber, etc.	6.20
23	W. Dimond	Hudson County	Salary and expenses, Sept.	8.00
24	Chas. Paul <i>et al.</i>	do	35 animals	1.75
24	do	do	68 animals	751.50
25	F. H. Spengemann	Jersey City	Office rent	1,714.50
5	B. D. Phillips	Clerk	Salary for Sept.	50.00
5	C. D. Noonan	do	do	68.40
5	Seneca Barker	do	do	68.40
			Total for month	\$8,442.64
				4,638.68
				983.10
				354.86
				751.50
				5.00
				70.80
				70.80

Nov. 3 Peter Taylor
3 C. D. Noonan
3 Seneca Barker

Janitor's services
Jersey City
Clerk
do

Expended from the appropriation for 1888-'89, by States—Continued.

NEW JERSEY—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov. 3	B. D. Phillips	Clerk		\$84.20				
7	W. W. Curry		Salary for Oct.	147.90	\$45.00			
7	E. A. Vrieland		Salary and expenses, Oct.	117.90				
8	E. L. Lohlein		do	45.00				
8	Wm. Dimond	Middlesex County	Salary and expenses, Oct.	85.00	35.19			
10	R. L. Armstrong	Bergen County	Expenses disinfecting corps, Oct.	21.40				
10	H. Lowenthal		1 animal					
10	do		27 animals					
10	Jos. Leibermann <i>et al.</i>	Hudson County	8 animals					
10	do		18 animals					
10	do		55 animals					
10	Chas. McAnally <i>et al.</i>		Salaries, Oct.	1,785.25				
13	Wm. Dimond	Disinfectors	Salaries, Oct.	168.50	116.90	\$1.75		
13	J. Genth, Jr.		do	151.60	60.45			
13	H. D. Gill		do	134.80	52.75	.20		
13	W. H. Mook		do	134.80	47.70			
13	H. W. Rowland		do	117.90	45.00			
13	J. H. Chittai	Appraiser	do	117.90	39.75	2.75		
13	E. F. Gorman	Deputy	do	84.20	59.05			
13	John Roberts		do	84.20	55.95			
13	G. W. Garretson		do	84.20	46.95			
13	Julius Hinckson		do	117.90	9.45			
13	M. J. Coyle	Appraiser	do	117.90	8.45			
13	Simon Kelly	Deputy	do	84.20	29.50			
13	C. Ticeham		do	84.20	29.35			
13	Andrew Gardiner		do	84.20	27.60			
13	Bobt. Quinlan		do	84.20	24.60			
13	R. R. Letts		do	84.20	12.67			
13	Thos. Lemhan		do	84.20	8.60			
13	Maurice Walsh		do	84.20	8.60			
13	P. J. Carlin		do	84.20	8.40			
13	J. M. McGuirey		do	84.20	8.35			
13	Garret Hailey		do	84.20	8.35			
13	P. Girth		do	84.20	8.35			
13	J. J. Clarke		do	84.20	8.35			
13	J. S. Muller		do	84.20	8.30			
13	G. Seidle		do	84.20	8.30			
13	G. Hauser	Jersey City	do	84.20	7.80			
13	F. H. Spengeman		do	84.20	5.35			
13	J. A. Lawson		do					
13	Henry Smith		do					
16	W. H. Cooper	Monmouth County	Office rent, Oct.					
			Burying carcasses					
			Salary and expenses, Oct., 26 days					
				130.00	98.45			

16	Jas. P. Hall	Jersey City			
16	Surterland, Innes & Co.	New York			
16	A. S. Barnes & Co.	do			
16	do	do			
16	do	do			
19	M. G. Mattison	Jersey City			
19	N. Y. and N. J. Teleph. Co.	Hudson County			
21	L. Heilbrun <i>et al.</i>	do			
21	do	do			
21	Henry Smith	Monmouth County			
21	do	do			
21	Walter L. Stoy	Camden County			
22	The Hudson County Dispatch	Jersey City			
23	D. M. Sullivan	Hudson County			
23	do	do			
24	Nicholas Fleming	Deputy			
30	J. Mulqueeny	do			
30	P. J. Carlin	do			
30	J. S. Miller	do			
30	M. Walsh	do			
		Total for month	\$11,672.85		
		Grand total	\$37,288.11		
			18,569.05		
			3,754.15		
			1,046.91		
			3,812.50		
			10,076.50		

MARYLAND.

1888.	July 9	H. W. Hanna	Clerk	Salary for July 1 to 7			
	13	J. T. Parsons	Deputy	Salary and expenses, July 1 to 8			
	20	Wm. Langemann	Baltimore County	53 animals			
	20	Wm. Langemann <i>et al.</i>	do	29 animals			
	23	Andrew L. Anderson	Harford County	5 animals			
	23	do	do	3 animals			
	23	John Martin <i>et al.</i>	Baltimore County	6 animals			
	23	do	do	10 animals			
	25	Sam'l H. Hare <i>et al.</i>	do	6 animals			
	25	do	do	15 animals			
	25	Joshua Arnold	Frederick County	1 animal			
			Total for month	\$3,645.46			
				40.76			
					1.50		
						1,973.04	1,630.16
Aug. 2	D. Holland <i>et al.</i>	Disinfectors					
4	F. W. Patterson						
4	J. A. Walrath						
4	W. H. Martenet						
4	E. C. Schroeder						
4	H. C. Rohr						
4	J. F. Davis						

Expended from the appropriation for 1888-'89, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Aug. 4	J. B. Trull	Clerk	Salary for July 1 to 9 and 11 to 13.	\$39.13				
	Fred. Faville	do	Salary for July	84.20				
	G. G. Latchford	Deputy	do	84.20				
	J. B. Hampsher	do	do	84.20				
	L. G. Hubble	do	do	84.20				
	T. A. Poulton	do	Salary for July	84.20				
	David Riley	do	do	84.20				
	William Wade	do	do	84.20				
	T. Alex. Seth	do	do	84.20				
	Jas. Bard	do	do	84.20				
	Wm. Hardt	do	do	84.20				
	C. C. Prather	do	do	84.20				
	Isaac L. Ball	Baltimore	Salary for July 7 to 31	21.74		\$30.00		
	Wm. K. Boyle & Son	do	Permit and tag books			15.00		
	V. F. Collier	do	Salary for July 24 to 31					
	A. L. Anderson	Harford County	Burying carcasses					
	A. D. Melvin	do	Salary and expenses, July					
	Albert Hassall	do	do	168.50	\$58.10			
	Jas. F. Ryder	do	do	134.80	78.28			
	W. H. Wray	do	do	134.80	76.30			
	L. A. McDaniel	Deputy	Salary and expenses, July					
	A. W. Clement	do	do	184.00	25.30			
	C. K. Dyer	do	do	168.50	76.65			
	D. B. Hoffman	do	do	134.80	75.50			
	T. B. Gatch	Deputy	do	101.10	75.50			
	Thos. A. Hays	do	do	84.20	32.06			
	C. R. Perdue	do	do	84.20	31.33			
	O. J. Gaver	do	do	84.20	11.30			
	Wm. O'Neal	do	do	84.20	5.50			
	John McBride	do	do	84.20	4.90			
	Carroll Ensor	do	do	84.20	2.90			
	J. N. Foss <i>et al.</i>	do	28 animals					
	Daniel Dorfman	Baltimore County	70 animals					
	S. A. Mitchell	do	3 animals					
	Daniel Keller	Deputy	Salary and expenses, July					
	Wm. S. Brooke	do	do	84.20	4.96			
	J. F. Shipley	Appraiser	Salary for July	101.10	96.22			
	G. C. Faville	Clerk	Salary and expenses, July	84.20	11.37			
	W. E. Zimmerman	do	do	290.00	103.28			
	Wm. S. Devore	Appraiser	Salary and expenses, July 20 to 21	101.10	44.32	9.14		
							16.00	10.30

Expended from the Appropriation for 1888-89, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Sept. 6	Wm. K. Boyle & Son.....	Baltimore.....	Record books, etc.....			\$42.50		
6	C. J. Stewart & Sons	do.....	Sundries, Sept.....			5.25		
6	P. F. Flanney	do.....	P. m., storage-room.....			4.00		
6	Alex. Yearley & Son	do.....	Office rent.....			12.50		
6	Wm. E. Zimmerman	do.....	Line.....			22.80		
6	Geo. Ortell <i>et al.</i>	Baltimore County.....	8 animals.....				\$250.10	
6	do	do.....	Salary for Aug. 27 to 31.....	\$40.00				
7	W. H. Wray		Expenses, July 5 and 12 and Aug. 1.....		\$7.00			
8	D. E. Salmon		Salary and expenses, Aug. 1.....	270.00	62.61			
11	Geo. C. Faville		Salary and expenses, Aug. 1.....	8.00	6.50			
15	W. S. Dovoe	Baltimore County	1 animal.....					
19	O. A. Myers		Expenses, July and Aug.....			16.75		
22	Geo. C. Faville	Baltimore County	55 animals.....					
25	Mary Clay		5 animals.....					
25	do		1 animal.....					
25	Annie Lacey							
			Total for month	\$7,069.10	4,326.64	972.63	105.19	382.90
								1,281.74
Oct.			Tags.....					
1	Hoole Manufacturing Co	New York.....	Line, etc.....			35.00		
1	John J. Thomson	Baltimore.....	do.....			73.50		
3	A. D. Motvin		Salary and expenses, Sept.....					
3	W. H. Martinet		do.....	163.00		58.50		
3	W. H. Wray		do.....	130.40		53.50		
3	Deputy		Salary for Sept., 22 days.....	176.00				
3	Daniel Keller		Salary and expenses, Sept.....	97.80		54.50		
3	Wm. E. Zimmerman		do.....	97.80		18.05		
3	J. B. Trull		Salary for Sept.....	114.20				
4	I. F. Ball		do.....	81.60				
4	L. G. Hubble		do.....	81.60				
4	Carroll Knobor		do.....	81.60				
4	Wm. O'Neal		do.....	81.60				
4	C. C. Prather		do.....	81.60				
4	J. B. Hamphster		do.....	81.60				
4	Fred. Faville		Clerk	81.60				
4	V. F. Collier		Deputy	81.60				
4	J. F. Shipley		do.....	81.60				
4	James Boyd		do.....	81.60				
4	Geo. C. Faville		do.....	250.00		53.95		
4	Thos. B. Gaatch		Salary and expenses, Sept.....	81.60		30.06		
5	F. W. Patterson		Deputy	do.....				
6	G. G. Latchford		Salary for Sept., 27 days.....	114.20		6.50		

8	A. W. Clement	Salary and expenses, Sept	53.50
8	Jas. A. Walrath	do	163.00
8	Jas. F. Ryder	do	163.00
8	E. C. Schroeder	do	130.40
8	D. R. Hoffman	do	32.97
8	L. A. McDaniel	Deputy	97.80
8	John F. Davis	do	52.15
8	S. A. Mitchell	do	50.00
8	Wm. S. Brooke	Appraiser	81.60
8	C. R. Perdue	Deputy	81.60
8	John McDade	do	38.06
8	Wm. Hardie	do	81.60
8	Wm. Wade	do	81.60
8	T. Alex. Seth	do	33.50
8	O. J. Gaver	do	81.60
8	D. Holland <i>et al.</i>	Disinfectors	30.40
8	David Riley	Deputy	97.80
8	Thos. A. Poulton	do	4.70
9	C. K. Dyer	Deputy	81.60
9	Albert Hassall	do	10.90
9	Thos. A. Hays	do	4.90
10	C. Miller <i>et al.</i>	Deputy	81.60
12	Wm. K. Boyle & Son	Baltimore County	81.60
12	do	Baltimore	3.20
12	Wm. E. Zimmerman	do	81.60
12	John J. Thomsen	do	81.60
12	Gro. C. Faville	Baltimore	6.00
12	Alex. Yearley & Son	New York	6.00
17	Hooke Manufacturing Co.	Baltimore	228.00
17	The Baltimore Publishing Co.	Baltimore	73.37
24	Geo. Dorn	do	81.60
24	John Long	do	130.40
24	W. M. Gaither	Frederick County	83.10
25	Madrias Jorg	Baltimore County	78.42
25	do	do	32.33
25	P. F. Flannery	Baltimore	37.50
25	H. Baumgarten	Washington	12.50
31	Ches. & Pot. Tel. Co.	Baltimore	130.40
31	J. B. Trull	Clerk	740.30
		Total for month	1,126.04
Nov.	A. D. Melvin	Salary and expenses, Oct	168.50
3	Jas. A. Walrath	do	69.50
3	Albert Hassall	do	52.50
3	W. H. Martenot	do	134.80
3	Jas. F. Ryder	do	84.36
3	W. E. Zimmerman	do	33.50
3	Thos. A. Hays	Appraiser	134.80
3	W. S. Brooke	Deputy	32.76
3	D. Holland <i>et al.</i>	Appraiser	101.10
		do	15.40
		do	84.20
		do	31.50
		do	101.10
		do	5.15
		Salaries, Oct	132.20

Expended from the appropriation for 1888-89, by States—Continued.

MARYLAND—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.	Affected cattle.	Exposed cattle.
1888.								
Nov. 3	E. C. Schroeder	Deputy	Salary and expenses, Oct.	\$101.10	\$50.00			
	S. A. Mitchell	do	do	84.20	30.00			
	Thos. B. Gatch	do	do	84.20	30.00			
	John F. Davis	do	do	84.20	30.00			
	L. G. Hubble	do	Salary for Oct.	84.20				
	T. Alex. Seth	do	do	84.20				
	V. F. Collier	do	do	84.20				
	V. F. Shipley	do	do	84.20				
	David Riley	do	do	84.20				
	J. B. Hampsher	do	do	84.20				
	Fred. Farfile	Clerk	do	84.20				
	Carroll Ensor	Deputy	do	84.20				
	Wm. O'Neal	do	do	84.20				
	G. G. Latchford	do	do	84.20				
	G. C. Paville	do	do	84.20				
	C. K. Dyer	do	do	84.20				
	W. H. Wray		Salary for Oct., 23 days	184.00				
	F. W. Patterson	Deputy	Salary and expenses, Oct.	117.90				
	Daniel Keller	do	do	101.10	49.30			
	Wm. Hardey	do	do	84.20	2.10			
	D. R. Hoffman	Deputy	Salary for Oct.	101.10	50.00			
	C. C. Prather	do	do	84.20				
	Jas. Boyd	do	do	84.20				
	Thos. A. Poulton	do	do	84.20				
	G. C. Paville	Deputy	Expenses for Oct.	84.20				
	L. A. McDaniel	do	Salary and expenses, Oct.	84.20				
	C. R. Pertine	Clerk	do	84.20				
	L. L. Ball	Deputy	Salary for Oct.	84.20				
	O. J. Gaver	do	Salary and expenses, Oct.	84.20				
	John McDade	do	do	84.20				
	John D. Schmidt	Baltimore County	2 animals					
	do	do	35 animals					
	H. B. Gant	Anne Arundel County	1 animal					
	A. W. Clement	Baltimore	Salary and expenses, Oct.	168.50				
	W. M. K. Boyle & Son	New York	Book, etc.					
	Hoole Manufacturing Co.	Baltimore	Tags					
	C. J. Stewart & Sons		Hog-rings, etc.					
	Alex. Yearley & Son		Office rent					
	John J. Thonsen		Chloride of lime					
	W. E. Zimmerman		Line					
	P. F. Flannery		Rent, store-room					
			do					

16	John McDade	Deputy		Salary and expenses, Nov. 1 to 15	40.76	2.10	
16	O. J. Gaver	do		do	40.76	2.00	
16	Wm. Wade	do		Salary for Oct	84.20		
16	Wm. O'Neal	do		Salary for Nov. 1 to 15	40.76		
16	T. A. Poulton	do		do	40.76		
16	J. B. Hampsher	do		do	40.76		
16	Wm. Hardier	do		do	40.76		
16	C. C. Prather	do		do	40.76		
16	Wm. K. Boyle & Son	Baltimore	Record book				
19	Wm. Wade	Baltimore County	Salary for Nov. 1 to 15	40.76			
21	D. Shehan	12 animals					
21	D. Shehan <i>et al.</i>	do					
21	Henry Yenager	Baltimore City	11 animals				
22	J. F. Sipley	Howard County	1 animal				
23	A. M. Hawkins	Baltimore County	2 animals				
			1 animal				
			1 animal				
			Total for month	\$7,535.00	4,601.18	896.37	152.43
			Grand total	\$35,523.07	18,027.94	4,031.28	861.67

TEXAS.

1888.	Sept. 22	Geo. S. Williamson	Salary and expenses, July	151.60	10.25		
	25	do	Salary and expenses, Aug.	151.60	82.20		
			Total for month	\$395.65	303.26	92.45	
	Oct. 23	do	Salary and expenses, Sept	146.80	66.76		
	Nov. 10	do	Salary for Oct. and expenses Sept	151.60	45.00		
			<i>Transportation orders.</i>				
			Geo. S. Williamson				
			San Antonio to Saint Louis			27.95	
			Saint Louis to San Antonio			27.75	
			Grand total	\$861.50	601.60	259.90	

Expended from the appropriation for 1888-'89—Continued.
INVESTIGATIONS.

REPORT OF THE BUREAU OF ANIMAL INDUSTRY.

111

5	H. M. Taylor	Salary for Aug	41.66	270.00
6	H. J. Ruppert	Rent for Aug	41.66	145.20
7	W. H. Wray	Salary and expenses, Aug		
11	Z. D. Gilman	Sundries	112.96	104.75
12	H. M. Taylor	Expenses, July	141.50	
12	L. H. Hopkins	Expenses, Aug	4.39	
14	Church & Stephenson	Sundries	63.80	
14	do	Lumber	13.86	
15	Cooper Curtice	Expenses, Aug	66.35	26.45
17	Walter F. Hewitt	Feed	118.89	
21	W. M. Galt & Co.	Pigs	45.00	
24	E. B. Markham	Carpenter, Sept. 28 and 29	6.00	
29	Charles A. Friedman	Salary for Sept	146.80	
29	Theobald Smith	do	130.40	
29	Cooper Curtice	do	97.80	
29	V. A. Moore	do	56.80	
29	William Alexander	do	53.80	
29	M. N. Barnard	do	130.40	
29	E. L. Kilborne	do	49.40	
29	C. S. Meyers	do		
		Total for month	1,139.91	516.23
		Salary and expenses, Aug		171.65
		Expenses, Sept. 22 to 25		
		24.21	221.39	
1	R. M. Bell	Investigating diseases, Virginia and Delaware		
1	Cooper Curtice	For experimental station		
2	L. Mangan	Ice, July to Sept		
3	H. J. Ruppert	Rent for Sept		
4	H. M. Taylor	Salary for Sept		
4	F. A. Carroll	Pigs		250.00
4	F. L. Kilborne	Sundries		
4	Bullen & McKeever	Pigs		
4	Chesapeake and Potomac Telephone Company	Exchange rental, July to Sept		
8	Bullen & McKeever	Pigs		
8	Cooper Curtice	Investigating Texas fever, Maryland		
8	R. L. Kilborne	Investigating diseases, Maryland		
10	E. B. Markham	For experimental station		
11	J. S. Redman	do		
16	W. M. Galt & Co.	For laboratory		
18	E. Walters & Co.	Investigating disease, California		
23	Thomas Bowdill	For experimental station		
23	Bullen & McKeever	Pigs		
23	Elphonzo Youngs	Prepared food		
25	Bower Talbot	Salary and expenses, Sept. 17 to 24		
26	R. M. Bell	Salary and expenses, Sept		
26	James W. Queen & Co.	Sundries		
30	A. M. Faringdon	Expenses, Aug. 27 and 28		
31	Theobald Smith	Salary for Oct		
31	Conner Curtice	do		

Expended from the appropriation for 1888-'89—Continued.

INVESTIGATIONS—Continued.

Date.	Name.	Remarks.	For what paid.	For scientific investigations.	For collecting information.	For investigation of reported diseases.
1888.						
Oct. 31	V. A. Moore		Salary for Oct.....	\$101.10		
31	William Alexander		do	60.60		
31	M. N. Barnard		do	55.60		
31	F. L. Kilborne		do	134.80		
31	C. S. Moyers		do	50.50		
31	Gayton A. Douglas & Co	For laboratory	do	21.25		
30	W. J. Althaus	do	Sundries Photographic plates	33.75		
			Total for month.....	1,172.54	\$671.03	\$199.67
Nov. 1	Theobald Smith	For laboratory		4.72		
	do	Investigating disease, Maryland		4.90		
1	H. M. Taylor		Expenses, Sept. 10 and Oct. 17.....	96.38		
1	H. J. Rappert		Expenses for Oct.....	41.66		
1	H. M. Taylor		Expenses for Oct.....			
5	F. L. Kilborne		Expenses for Sept.....			
6	do		Salary for Oct.....			
6	F. L. Kilborne		Expenses, Oct. 8 to 11 and 17 to 18.....			
8	Church & Stephenson		Sundries.....	32.30		
16	R. M. Bell		Lumber.....	24.85		
16	R. M. Bell		Salary and expenses, Oct.....	20.83		
16	Wilson, Flood, Cheyney Co. (limited)		Expenses, Aug., Sept., and Nov.....			
16	Bower, Tallout		Lens.....			
16	William M. Galt & Co		Expenses, Sept. 20 and 21.....			
16	Z. D. Gilman		Feed.....			
16	M. W. Beveridge		Sundries.....			
16	L. Schmidt		Ice-chest.....			
19	W. H. Lee		Guinea pigs.....			
21	Bullen & McKeever		Hay.....			
21	D. N. Walford		Pigs.....			
21	L. Schmid & Sons		Revolver, etc.....			
30	Theobald Smith		Guinea pigs.....			
30	Cooper Curtice		Salary for Nov.....			
30	F. L. Kilborne		do.....			
30	V. A. Moore		do.....			
30	William Alexander		do.....			
30	M. N. Barnard		do.....			
30	C. S. Moyers		do.....			
30	W. H. Bowman		do.....			
			Total for experimental station.....	22.00		6.00

For experimental station

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90	William Halley	For laboratory	9.00
		Carpenter, Nov. 20, 21, 22	9.00
		Total for month	1,165.41
			660.21
			6.00
		<i>Transportation orders.</i>	
	R. M. Bell		
	Chicago to Denver		
	.....do.....		30.65
	Lincoln, Neb., to Chicago		14.40
	Denver to Lincoln		7.00
	.....do.....		1.26
	.....do.....		1.48
	Denver to Boulder, Colo		1.30
		Total	56.03
		Grand total.....	5,308.92
			2,698.17
			452.52

Expended from the appropriation for 1888-'89—Continued.

WASHINGTON AND MISCELLANEOUS.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
1888, July 10	The Tribune Association	New York	Subscription			\$1.00
10	Orange Judd Company	American Agriculturist	do			1.00
10	M. J. Lawrence & Brother	Ohio Farmer	do			1.00
10	Gore, Janney & Co.	do	Cabinet, secretary			87.00
10	J. H. Sanders Publishing Company	Breeders' Gazette	do			3.00
12	Enquirer Company	Cincinnati	do			1.15
12	The Tribune Company	Chicago	do			10.00
12	Rural New Yorker	do	do			2.00
14	A. S. Mercer	Northwestern Live Stock Journal	do			3.00
16	The Stock Journal Company	do	do			2.15
16	Prairie Farmer Publishing Company	do	do			1.50
16	Milton George	Western Rural	do			1.50
16	The Sun	New York	do			1.00
16	Commercial Gazette Company	Cincinnati	do			1.25
16	Hannibal H. Chandler & Co.	Farmers' Review	do			1.00
19	Kansas City Times Newspaper Co.	do	do			1.00
23	Edward H. Phelps	New England Homestead and Farm and Home	do			2.50
24	W. B. Moses & Son	Office furniture	do			160.50
24	The New York Times	Subscription	do			1.00
30	John C. Parker	Stationery	do			5.73
31	D. E. Salmon	Salary for July	do			\$252.70
31	Miles Fuller	do	do			126.40
31	A. M. Farrington	do	do			189.50
31	W. J. Cowing	do	do			151.60
31	P. L. Lyles	do	do			134.80
31	Robert S. Forbes	do	do			117.90
31	E. B. Jones	do	do			117.90
31	Mary Sullivan	do	do			84.20
31	M. T. Dent	do	do			75.80
31	S. A. Bouter	do	do			57.07
31	R. P. Logan	Salary for July	do			60.60
31	M. G. Marshall	Salary for July	do			55.60
		Total for month				1,424.07
						\$1,712.35
						288.28
Aug. 3	Herman Baumgarten	Stamp and do				10.50
	William K. Boyle & Son	Book and forms				22.00
	C. N. O. St. and S. W. Ry. Co	Street-car tickets				12.50
	13. Westernman & Co.	Books				14.50
	20. Western Union Telegraph Company	Charges				15.07

Expended from the appropriation for 1888-'89—Continued.

WASHINGTON AND MISCELLANEOUS—Continued.

Date.	Name.	Remarks.	For what paid.	Salaries.	Traveling expenses.	Miscellaneous.
Oct. 31	S. A. Beuter		Salary for Oct.	\$70.80		
31	R. P. Logan		do	60.60		
31	M. G. Marshall		do	55.60		
			Total for month....	\$1,498.17	1,437.80	\$60.37
Nov. 5	J. C. Parker		Stationery ....			.75
	The Lawyer's Co-operative Publishing Company.		Digest, volumes 1 and 2....			8.00
14	Lansburgh & Bros.		Cotton bats.			1.25
14	W. J. Beal		Books			2.50
14	J. Karr		Clock			9.00
16	D. E. Salmon		Expenses, Aug. 17 to 22	\$41.75		78.80
20	The Brooklyn Daily Eagle		Advertising, July 7 to Nov. 10			29.05
20	The Flushing Journal		Advertising, July 7 to Nov. 17			8.27
20	Western Union Telegraph Company		Charges, Oct.			
22	J. C. Parker		Books			8.00
22	New York Times		Advertising, July 5 to Nov. 15			320.00
23	Yonkers Gazette		Advertising, July 7 to Nov. 17			21.15
24	New York Herald		do			252.00
24	Jersey City Argus		Advertising, Feb. 18 to June 30			160.00
27	do		Advertising, July 7 to Nov. 17			160.00
30	D. E. Salmon		Salary for Nov.			
30	Miles Fuller		do			122.20
30	A. M. Farrington		do			183.50
30	W. J. Cowing		do			146.80
30	P. L. Lykes		do			130.40
30	Robt. S. Forbes		do			114.20
30	E. B. Jones		do			114.20
30	Mary Sullivan		do			81.60
30	M. T. Dent		do			73.40
30	S. A. Beuter		do			68.40
30	R. P. Logan		do			58.80
30	M. G. Marshall		do			53.80
			Total for month....	\$2,493.42	1,391.90	41.75
			Grand total.....	\$8,886.77	7,218.07	57.75
						1,059.77
						1,610.95